ALFAGOMMA®

Industrial Rubber Hose

NEW PRODUCTS!

T142AK - 600 PSI Oil Resistant Steel Braided Reinforced Air Hose

T620AA - 300 PSI Black Fuel & Oil Suction & Delevery Hose

Kuriyama of America, Inc.

Industrial Division Italy
(certificate n° 05294-99 AQ-BRI-SINCERT)
Alfagomma Industrial S.p.a. (S. Atto - TE)

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THE ASSOCIATION FOR HOSE AND ACCESSORIES DISTRIBUTION

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Introduction

Kuriyama of America, Inc. North American headquarters and main warehouse *(shown at left)*, is located at 360 E. State Parkway, Schaumburg, Illinois. Kuriyama exclusively distributes Industrial Rubber Hoses manufactured by ALFAGOMMA Spa.

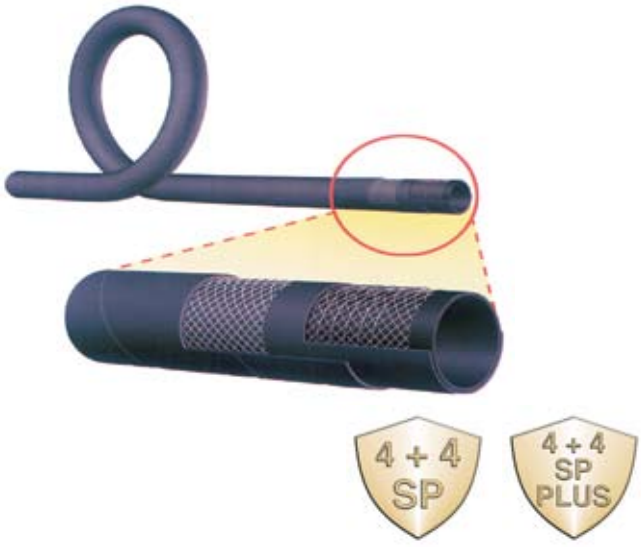
ISO 9000 Registration

The industrial rubber hose shown in this catalog is manufactured in the ALFAGOMMA® factory in Teramo, Italy *(shown at right)*. This manufacturing facility has earned registration under ISO 9001 - ISO 14000 for constant high quality.

The ISO 9000 family of standards represents an international consensus on good management practices with the aim of ensuring that the organization can time and time again deliver the product or services that meet the customer's quality requirements.

ISO 9001 is one of three quality assurance models against which a plant's quality system can be audited. The standard sets out the requirements for an organization whose business processes range all the way from design and development to production.

New Technology



In order to meet requirements for applications where flexibility is an essential feature, ALFAGOMMA® has developed two innovative structures code-named 4+4 SP & 4+4 SP PLUS. Four textile and four steel spirals are used for the manufacture of all suction and delivery hoses.

The four textile spirals ensure size stability and pressure control, while the four steel spirals make hoses vacuum resistant and more flexible.

The 4+4 SP structure ensures a bend radius ranging between four and five times the internal diameter. The 4+4 SP PLUS structure has been designed for those hoses where the application requires a bend radius three times the internal diameter.

The 4+4 SP and the 4+4 SP PLUS structures eliminate the need for corrugated hoses to achieve a higher bend radius. Hoses with the above structures are marked in the catalog with the symbols shown at left.

ALFAGOMMA® Industrial Rubber Hose Index by Series Number

CODE LEGEND FOR AVAILABLE SPECIAL COLORS				
A = BLACK B = GREY C = BROWN	D = WINE RED E = BLUE F = PURPLE	G = GREEN H = RED I = ORANGE	J = TAN K = YELLOW L = WHITE	M = SILVER O = TRANSLUCENT

Please call your local Kuriyama Warehouse for availability of products/sizes shown.

NOTE: Although every effort has been made to accurately show the color of the ALFAGOMMA hoses in the catalog, because of the limitation of four-color process printing, some of the colors shown herein may not be exact.

Index

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TYPE	DESCRIPTION	PAGE

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Index

1. KOA disclaims any liability for use of its products in applications other than those for which they were designed.
2. Weights and dimensions are nominal.
3. Pictures shown are for illustration purposes only. Actual hose construction may vary.

Application Guide

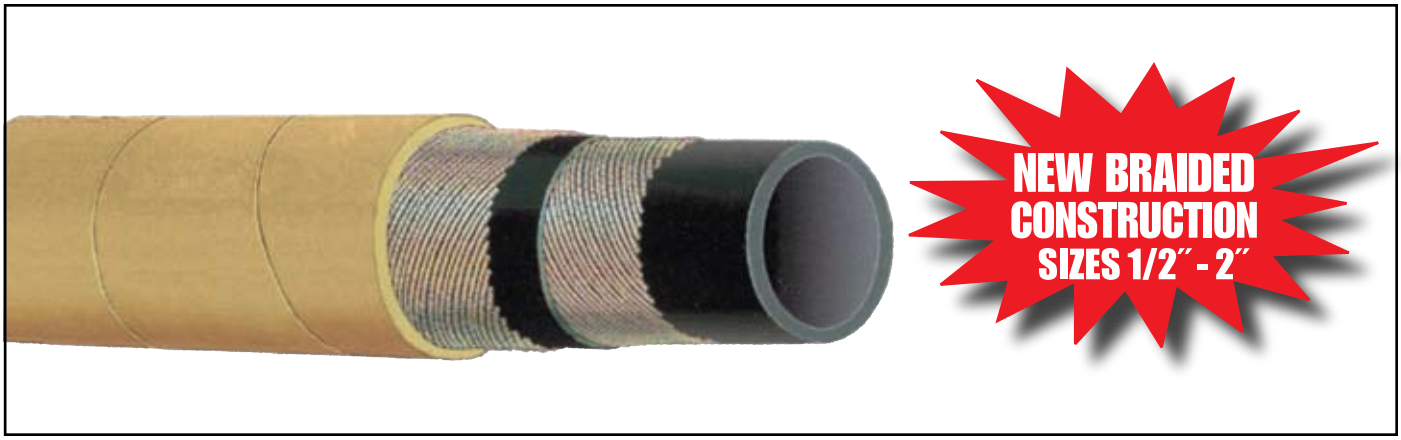
ALFAGOMMA®

	T130AK - T140AK	T142AK	T155AK - T157AG	T164AK	T902AA	T202AA	T203AA – T204AA	T253AA	T254AA	T155AA	T350LL	T351LL – T351LG	T352AA	T330AH – T330AA	T331AH – T331AA	T333AA	T405LL -	T405LB	T452LE	T455LL	T408LL	T5050G	T5090E	T600AA – T653AA	T601AA	T604AA	T605AA	T605AH	T620AA	T629AA	T650AH	LT753AA	T750AA-	T750AG	T720LG	T760LB	T740AA	T757AA	T758AA	T758AE	T760AA	T763AA
Abrasive Material Transfer, Wet/Dry–FDA Abrasive Slurry Transfer Agricultural Fertilizers/Chemical Solutions						✔														✔	✔											✔						✔				
BioFuels (up to B98 and B100) Cement, Wet Pumping Chemical/Solvent Transfer																				✔	✔							✔						✔	✔	✔						
Concrete Pumping Construction Air Service Construction Water Suction Service	✔	✔	✔	✔		✔	✔																											✔	✔	✔						
Creamery Washdown Dry Bulk Food Discharge Dry Powder Delivery, Cement/Sand										✔	✔																				✔						✔	✔				
Fuel/Oil Suction & Discharge Furnace Door Coolant Grout																											✔	✔							✔	✔					✔	
High Pressure Air, Mines/Quarries High Pressure/High Heat Hot Air Blower	✔	✔ ✔																																								
Hot Tar/Asphalt Suction & Discharge Hydraulic Suction/Return Marine Exhaust/Fuel Fill																						✔		✔																	✔		
Mine Spray, MSHA-Compliant Oil Field Suction Oil-based Food Discharge																		✔					✔																	✔		
Oil-based Food Transfer Oil-Based Food/Alcoholic Beverage Suction & Discharge																✔ ✔		✔	✔																							
Papermill Washdown Petroleum Discharge Petroleum Suction/Discharge										✔	✔														✔	✔	✔	✔ ✔	✔														
Plaster Potable Water Radiator/Hot Water												✔					✔																		✔	✔							
Refinery Steam, Oil-Resistant Cover Sandblast, Dry Abrasive Delivery Saturated Steam													✔	✔	✔																✔	✔											
Superheated Steam Water Discharge Water Suction						✔	✔	✔	✔					✔																													

CAUTION

NOTE: This application guide provides information on typical hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, working pressure, etc. Please refer to the specifications printed for each product in this catalog, along with information regarding chemical resistance and our Cautionary Statement, to better insure successful results.

T130AK - T140AK* - Steel Wire Air Hose



APPLICATION
High pressure air hose for heavy-duty use in mines, quarries, construction and industry.

COVER
Yellow, SBR — abrasion and ozone resistant — pin pricked.

REINFORCEMENT
*High tensile steel cords - braided - 1/2" - 2"
High tensile spiral steel wire. - $2^{1}/_{2}$" - 4"

TUBE
Black SBR/NBR — resistant to oil mist.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
50 or 100 feet

BRANDING
ALFAGOMMA – T140 STEEL AIR (Black Letters)
Embossed – ALFAGOMMA – ITALY – T130 STEEL AIR

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
* T140AK050	1/2	13	0.91	23	38	600	2 1/2
* T140AK075	3/4	19	1.10	28	40	600	4
* T140AK100	1	25	1.34	34	50	600	5
* T140AK125	1 1/4	32	1.65	42	74	600	6 1/4
* T140AK150	1 1/2	38	1.89	48	86	600	7 1/2
* T140AK200	2	51	2.52	64	136	600	10
T130AK250	2 1/2	63	3.27	83	240	450	12 1/2
T130AK300	3	76	3.78	96	286	450	15
T130AK400	4	102	4.80	122	413	450	20

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, or universal quick-acting couplings attached with 2 or 4 bolt interlocking clamps or bands.

★ Kuriyama offers a full line of ground joint couplings and clamps and universal air hose couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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T142AK - 600 PSI Oil Resistant Steel Braided Reinforced Air Hose

T133AK - 600 PSI High Temp Air Hose is Being Discontinued.

NEW PRODUCT

APPLICATION
High pressure air for mines and quarries. Designed for long lasting service and maximum safety in heavy duty applications where resistance to oil is required.

COVER
Yellow SBR/NBR — abrasion, ozone, hydrocarbon and flame resistant — pin pricked.

REINFORCEMENT
High tensile steel wire braids.

TUBE
Black NBR (RMA Class A) oil mist resistant.

TEMPERATURE RANGE
-40°F (-40°C) to 242°F (+120°C)

STANDARD LENGTHS
100 feet: 2" through 3"
50 feet: 2" and 3"

BRANDING
ALFAGOMMA – ITALY T142 HIGH TEMP STEEL AIR — OIL RESISTANT Embossed.

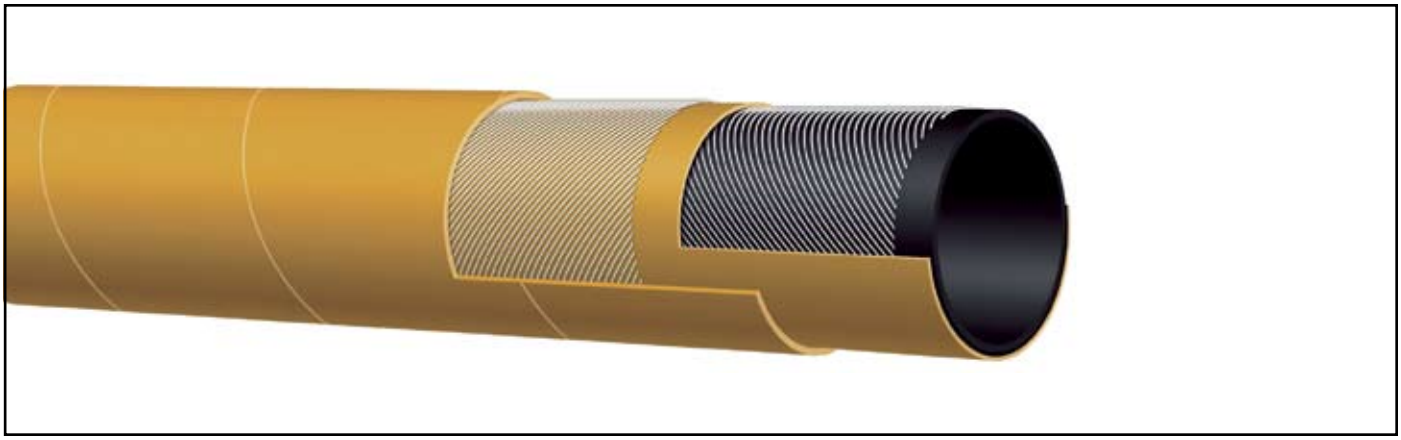
Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T142AK200	2	51	2.52	64	148	600	10
T142AK250	2 1/2	63	3.11	79	206	600	12 1/2
T142AK300	3	76	3.62	92	254	600	15

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, or universal quick-acting couplings attached with 2 or 4 bolt interlocking clamps or bands.

★ Kuriyama offers a full line of ground joint couplings and clamps and universal air hose couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T155AK - 300 PSI Textile Cord "Air Drill" Hose



APPLICATION
High quality air hose for mining and construction service.

COVER
Yellow, abrasion and ozone-resistant SBR rubber.

REINFORCEMENT
Spiralled, high tensile textile cords.

TUBE
Black SBR/NBR blend — oil mist resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 1/2" through 4"
50 feet: 1/2", 1" and 2" through 4"

BRANDING
ALFAGOMMA – ITALY – T155 20 BAR (300 PSI) AIR (in blue letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T155AK050	1/2	13	0.83	21	21.5	300
T155AK075	3/4	19	1.14	29	38	300
T155AK100	1	25	1.38	35	47	300
T155AK125	1 1/4	32	1.73	44	73	300
T155AK150	1 1/2	38	1.97	50	85	300
T155AK200	2	51	2.56	65	112	300
T155AK250	2 1/2	63	3.11	79	155	300
T155AK300	3	76	3.62	92	189	300
T155AK400	4	102	4.65	118	247	300

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, attached with 2 or 4 bolt interlocking clamps or bands. Universal couplings may be used on sizes ($^1/_2$" – 2")

★ Kuriyama offers a full line of ground joint couplings and clamps and universal air hose couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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T157AG - 400 PSI Textile Cord "Heavy Duty" Air Drill Hose

APPLICATION
High quality air hose for heavy duty and mining applications.

COVER
Green, abrasion and ozone-resistant SBR rubber.

REINFORCEMENT
Spiralled, high tensile textile cords.

TUBE
Black SBR/NBR blend — oil mist resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 1/2" through 2"
50 feet: 1/2" through 2"

BRANDING
ALFAGOMMA – ITALY – T157 27 BAR (400 PSI) AIR (in blue letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T157AG050	1/2	13	0.91	23	28	400
T157AG075	3/4	19	1.14	29	38	400
T157AG100	1	25	1.38	35	48	400
T157AG125	1 1/4	32	1.73	44	73	400
T157AG150	1 1/2	38	1.97	50	86	400
T157AG200	2	51	2.56	65	114	400

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, attached with 2 or 4 bolt interlocking clamps or bands. Universal couplings may be used on sizes ($^1/_2$" – 2")

★ Kuriyama offers a full line of ground joint couplings and clamps and universal air hose couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T164AK 300 PSI - High Temp Textile Cord "Air Drill" Hose

APPLICATION
High quality air hose for mining and construction service.

COVER
Yellow, abrasion and ozone-resistant SBR rubber.

REINFORCEMENT
Spiralled, high tensile textile cords.

TUBE
Black Chlorobutyl.

TEMPERATURE RANGE
-22°F (-30°C) to 200°F (+93°C)

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA – ITALY – T164 20 BAR (300 PSI) HIGH TEMP AIR (in blue letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T164AK200	2	51	2.64	67	101	300

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT, female ground joint or washer type with spud, attached with 2 or 4 bolt interlocking clamps.

★ Kuriyama offers a full line of ground joint couplings and clamps and universal air hose couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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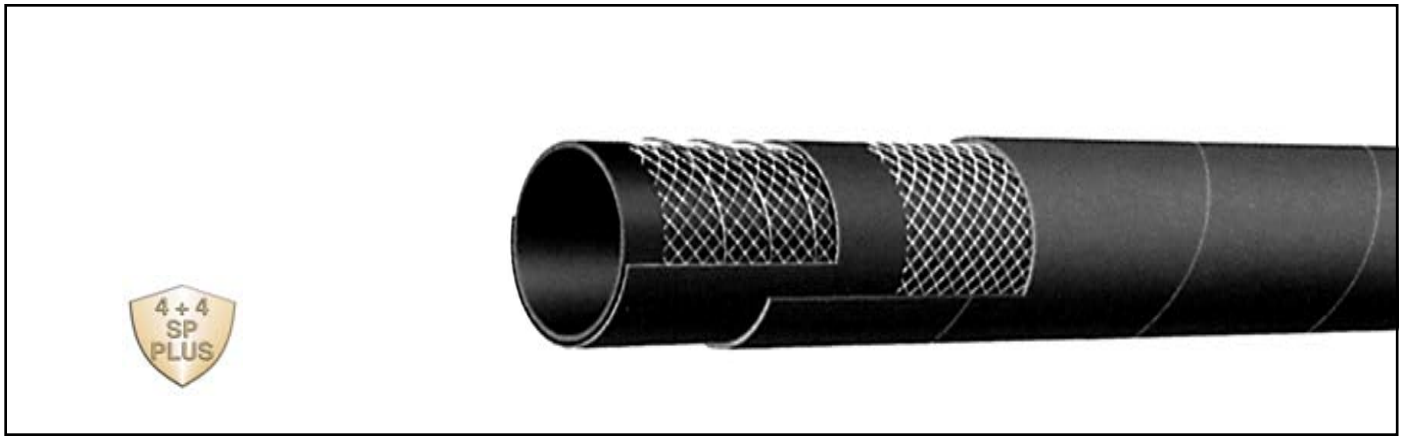
T902AA -150 PSI High Quality Hot Air Blower Hose



APPLICATION
Hot air transfer between the air compressor and dry bulk tank on bulk material carriers.

COVER
Black EPDM rubber — heat, abrasion and ozone resistant.

REINFORCEMENT
Spiralled high tensile textile cords and ***4*** highly flexible steel helix wires.

TUBE
Black heat-resistant EPDM rubber.

TEMPERATURE RANGE
-40°F (-40°C) to 350°F (+180°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

BRANDING
ALFAGOMMA – ITALY T902 10 BAR (150 PSI) – HOT AIR SERVICE (in white letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T902AA200	2	51	2.48	63	99	6
T902AA300	3	76	3.54	90	157	9
T902AA400	4	102	4.65	116	216	12

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T202AA - 150 PSI EPDM Multi-Purpose Water Suction Hose

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES

4 + 4 SP

APPLICATION
Suction and delivery of non-corrosive liquids for irrigation, construction, fertilizers and lasso acid solutions.

COVER
Black weather and ozone-resistant EPDM rubber.

REINFORCEMENT
Spiralled high tensile textile cords and ***4*** highly flexible steel helix wires.

TUBE
Black EPDM rubber.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 1" through 6" 20, 50 feet: 5"
20, 25, 50 feet: 6" 20, 25 feet: 8"

BRANDING
ALFAGOMMA – ITALY – T202 10 BAR (150 PSI) GENERAL PURPOSE EPDM (in green letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T202AA100	1	25	1.38	35	46	150	4
T202AA125	1 1/4	32	1.65	42	54	150	5
T202AA150	1 1/2	38	1.89	48	63	150	6
T202AA200	2	51	2.40	61	82	150	8
T202AA250	2 1/2	63	2.95	75	118	150	10
T202AA300	3	76	3.46	88	141	150	12
T202AA350	3 1/2	90	4.02	102	177	150	14
T202AA400	4	102	4.49	114	198	150	16
T202AA500	5	127	5.55	141	314	150	25
T202AA600	6	152	6.54	166	392	150	30
T202AA800	8	203	8.70	221	659	150	40

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

Water Suction

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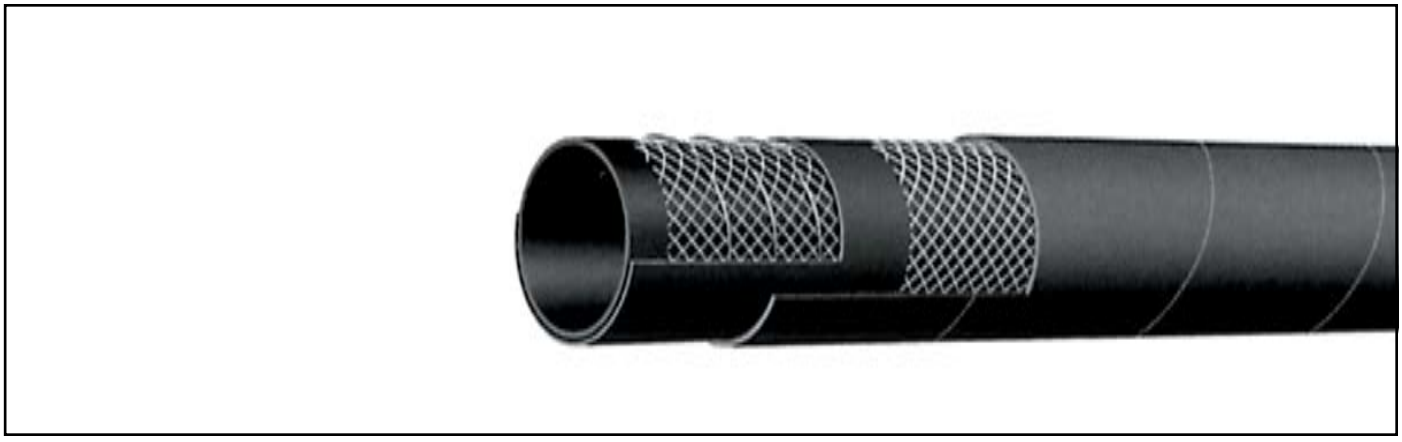
T203AA / T204AA -SBR Water Suction Hose



APPLICATION
Suction and delivery of non-corrosive liquids for irrigation and construction.

COVER
Black ozone and abrasion-resistant SBR rubber.

REINFORCEMENT
Spiralled high tensile textile cords and flexible steel helix wires.

TUBE
Black SBR rubber.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
20, 25, 30, 50, 100 feet: 6"
20, 25, 50 feet: 8"
20 feet: 10", 12"

T203AA BRANDING
ALFAGOMMA – ITALY – T203 WATER S & D (in green letters)

T204AA BRANDING
ALFAGOMMA – ITALY – T204 (embossed)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T203AA1000	10	254	10.71	272	967	150	50
T203AA1200	12	305	12.87	327	1410	90	61

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T204AA600	6	152	6.54	166	409	75	30
T204AA800	8	203	8.70	221	700	75	40

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T253AA - 150 PSI EPDM Layflat Water Discharge Hose

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES

APPLICATION
High pressure, 150 PSI lay flat type hose for general industrial construction and irrigation.

COVER
Black abrasion and ozone-resistant EPDM rubber.

REINFORCEMENT
High tensile textile cords.

TUBE
Black EPDM rubber.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 1½" through 10"
50 feet: 6", 8" 10" & 12"

WORKING PRESSURE
150 PSI constant (10 Bar)

BRANDING
ALFAGOMMA – ITALY – T253 10 BAR (150 PSI) EPDM WATER DISCHARGE (in green letters)

*** 6⅝" referred to as Elephant Trunk Hose — Ideal for "Irrigation Boots"**

Nominal Specifications

• NOT FOR CHEMICAL APPLICATIONS

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T253AA150	1 1/2	38	1.81	46	36	150
T253AA200	2	51	2.32	59	49	150
T253AA250	2 1/2	63	2.80	71	60	150
T253AA300	3	76	3.31	84	86	150
T253AA400	4	102	4.33	110	119	150
T253AA600	6	152	6.38	162	200	150
*T253AA662	6 5/8	168	7.01	178	217	150
T253AA800	8	203	8.46	215	288	150
T253AA1000	10	254	10.63	270	512	150
T253AA1200	12	305	12.56	319	534	150

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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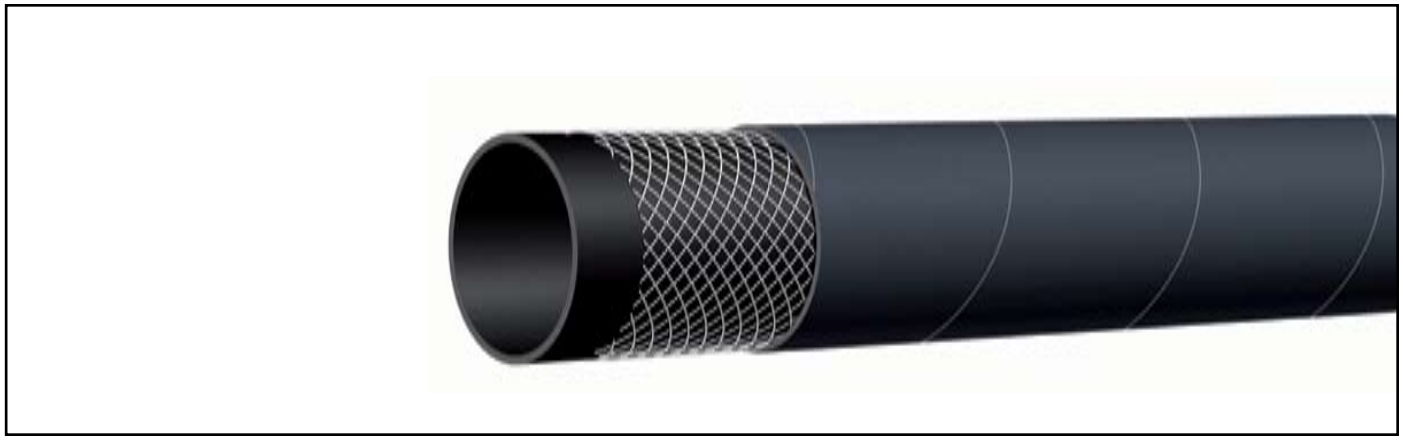
T254AA - 150 PSI SBR Water Discharge Hose



APPLICATION
Water discharge hose for construction and irrigation.

COVER
Black abrasion and ozone-resistant SBR rubber.

REINFORCEMENT
High tensile textile cords.

TUBE
Black SBR

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

STANDARD LENGTH
100 feet: 1 1/2" through 8"
50 feet: 8"

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T254AA150	1 1/2	38	1.89	48	65	150
T254AA200	2	51	2.40	61	85	150
T254AA300	3	76	3.46	88	153	150
T254AA400	4	102	4.49	114	206	150
T254AA600	6	152	6.54	166	309	150
T254AA800	8	203	8.62	219	458	150

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T155AA - High Pressure Water Discharge Hose

APPLICATION
Heavy duty water discharge hose where tougher operating conditions exist and high pressures are needed.

COVER
Black abrasion and ozone-resistant SBR rubber.

REINFORCEMENT
High tensile textile cords.

TUBE
Black SBR/NBR blend

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 1½" through 6"
50 feet: 6"

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T155AA150	1 1/2	38	1.97	50	83	300
T155AA200	2	51	2.56	65	110	300
T155AA250	2 1/2	63	3.11	79	151	300
T155AA300	3	76	3.62	92	185	300
T155AA400	4	102	4.65	118	242	300
T155AA600	6	152	6.69	170	410	300

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

ALFAGOMMA®

T350LL - Premium White Cover Paper Mill Creamery Wash Down Hose - No Nozzle

WHITE COVER

APPLICATION
For general wash down service, using hot water or low pressure saturated steam in processing plants and facilities and in food and dairy plants.

COVER
White, heat, abrasion and ozone resistant EPDM rubber.

REINFORCEMENT
High tensile textile cords.

TUBE
White EPDM rubber.

TEMPERATURE RANGE
-40°F (-40°C) to 330°F (+165°C)

STANDARD LENGTH
200 feet — Eliminates bulky hookups.

WORKING PRESSURE
Constant Pressure — 15 Bar (225 PSI)

STEAM PRESSURE
Constant Pressure — 7 Bar (100 PSI)

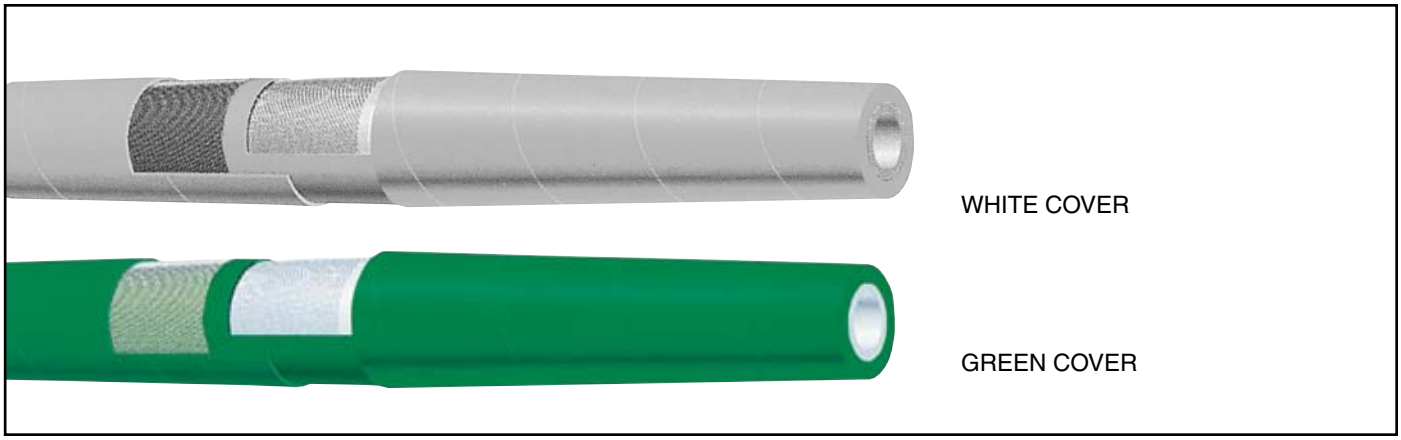
BRANDING
ALFAGOMMA – ITALY – T350 7 BAR (100 PSI) STEAM
15 BAR (225 PSI) HOT WATER (embossed)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T350LL050	1/2	13	0.91	23	26
T350LL075	3/4	19	1.22	31	44
T350LL100	1	25	1.46	37	54

COUPLING SUGGESTIONS
Short shank, long shank couplings (NPT, GHT), barbed inserts attached with bands.

T351LL / T351LG - 150 PSI Premium Paper Mill Creamery Wash Down Hose With Tapered Nozzle



APPLICATION
For general wash down service, using hot water or low pressure saturated steam in processing plants and facilities, and in food and dairy plants.

COVER
White or green, heat, abrasion and ozone resistant EPDM rubber.

REINFORCEMENT
High tensile textile cords.

TUBE
White EPDM rubber.

TEMPERATURE RANGE
-40°F (-40°C) to 248°F (+120°C)

STANDARD LENGTH
50 feet including 6" long built-in tapered nozzle*.

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

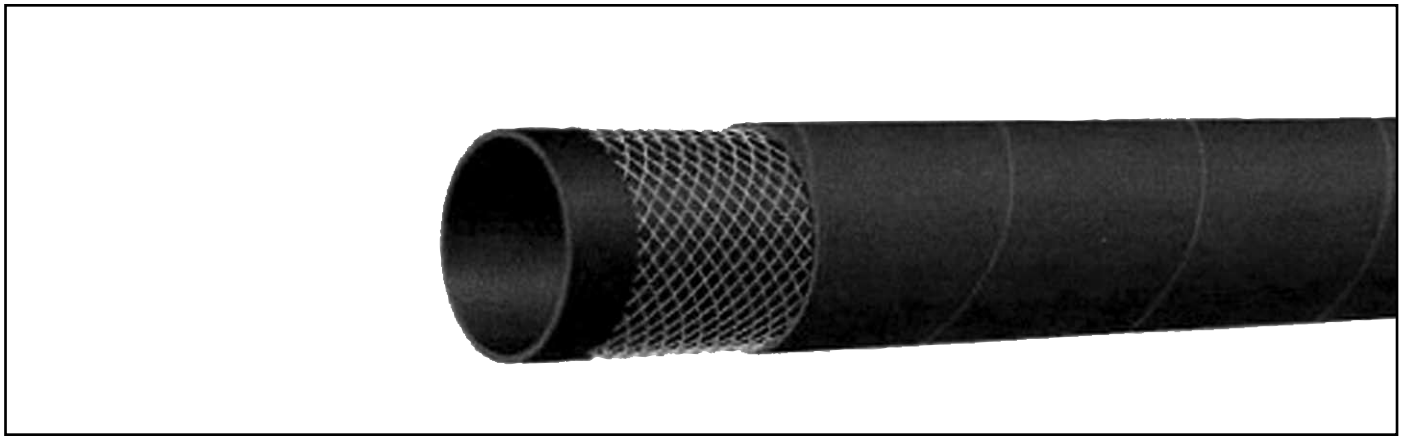
***TAPERED NOZZLE HOLE SIZE**
3/4" and 1" ID ..... 3/8"
1 1/4" ID..... 1/2"
1 1/2" ID..... 5/8"

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T351LL/LG075	3/4	19	1.22	31	43
T351LL/LG100	1	25	1.46	37	52
T351LL/LG125	1 1/4	32	1.81	46	77
T351LL/LG150	1 1/2	38	2.05	52	91

COUPLING SUGGESTIONS
Short shank, long shank couplings (NPT, GHT), barbed inserts attached with bands.

T352AA - 75 PSI Radiator Hose



APPLICATION
Radiator hose

COVER
Black EPDM, heat, abrasion and ozone resistant rubber.

REINFORCEMENT
High tensile textile cords.

TUBE
Black EPDM rubber.

TEMPERATURE RANGE
-40°F (-40°C) to 248°F (+120°C)

STANDARD LENGTH
12'6" and 200' coils for 1/2" to 2" ID sizes, 12'6" coils for 2 $^{3}/_{16}$" to 5" sizes.

WORKING PRESSURE
5 Bar (75 PSI)

SAFETY FACTOR: 3:1

BRANDING
ALFAGOMMA – ITALY – T-352 RADIATOR - DIN 73411 - dia mm (yellow transfer)

Nominal Specifications

SERIES NO.	SIZE CODE	NOMINAL ID		NOMINAL OD		MAX. WORKING PRESSURE	APPROX. WT. lbs./100 ft.	AVAILABLE LENGTH
		(in.)	(mm)	(in.)	(mm)			
T352AA050X12.6	050	1/2	13	.83	21	75	19	12'6" Coil
T352AA050X200	050	1/2	13	.83	21	75	19	200' Coil
T352AA062X12.6	062	5/8	16	.94	24	75	22	12'6" Coil
T352AA062X200	062	5/8	16	.94	24	75	22	200' Coil
T352AA071X12.6	071	11/16	18	1.02	26	75	24	12'6" Coil
T352AA071X200	071	11/16	18	1.02	26	75	24	200' Coil
T352AA078X12.6	078	13/16	20	1.10	28	75	26	12'6" Coil
T352AA078X200	078	13/16	20	1.10	28	75	26	200' Coil
T352AA087X12.6	087	7/8	22	1.18	30	75	28	12'6" Coil
T352AA087X200	087	7/8	22	1.18	30	75	28	200' Coil
T352AA100X12.6	100	1	25	1.30	33	75	32	12'6" Coil
T352AA100X200	100	1	25	1.30	33	75	32	200' Coil
T352AA112X12.6	112	1 1/8	28	1.42	36	75	34	12'6" Coil
T352AA112X200	112	1 1/8	28	1.42	36	75	34	200' Coil

continued

T352AA - 75 PSI Radiator Hose - *Continued*

Nominal Specifications - *Continued*

SERIES NO.	SIZE CODE	NOMINAL ID		NOMINAL OD		MAX. WORKING PRESSURE	APPROX. WT. lbs./100 ft.	AVAILABLE LENGTH
		(in.)	(mm)	(in.)	(mm)			
T352AA118X12.6	118	1 3/16	30	1.50	38	75	37	12'6" Coil
T352AA118X200	118	1 3/16	30	1.50	38	75	37	200' Coil
T352AA125X12.6	125	1 1/4	32	1.57	40	75	39	12'6" Coil
T352AA125X200	125	1 1/4	32	1.57	40	75	39	200' Coil
T352AA137X12.6	137	1 3/8	35	1.69	43	75	42	12'6" Coil
T352AA137X200	137	1 3/8	35	1.69	43	75	42	200' Coil
T352AA150X12.6	150	1 1/2	38	1.89	48	75	57	12'6" Coil
T352AA150X200	150	1 1/2	38	1.89	48	75	57	200' Coil
T352AA157X12.6	157	1 9/16	40	1.97	50	75	60	12'6" Coil
T352AA157X200	157	1 9/16	40	1.97	50	75	60	200' Coil
T352AA162X12.6	162	1 5/8	42	2.05	52	75	63	12'6" Coil
T352AA162X200	162	1 5/8	42	2.05	52	75	63	200' Coil
T352AA175X12.6	175	1 3/4	45	2.17	55	75	67	12'6" Coil
T352AA175X200	175	1 3/4	45	2.17	55	75	67	200' Coil
T352AA189X12.6	189	1 7/8	48	2.28	58	75	70	12'6" Coil
T352AA189X200	189	1 7/8	48	2.28	58	75	70	200' Coil
T352AA200X12.6	200	2	51	2.40	61	75	75	12'6" Coil
T352AA200X200	200	2	51	2.40	61	75	75	200' Coil
T352AA218X12.6	218	2 3/16	55	2.56	65	75	80	12'6" Coil
T352AA225X12.6	225	2 1/4	57	2.64	67	75	83	12'6" Coil
T352AA238X12.6	238	2 3/8	60	2.76	70	75	86	12'6" Coil
T352AA250X12.6	250	2 1/2	63	2.87	73	75	90	12'6" Coil
T352AA275X12.6	275	2 3/4	70	3.15	80	75	97	12'6" Coil
T352AA300X12.6	300	3	76	3.39	86	75	104	12'6" Coil
T352AA315X12.6	315	3 1/8	80	3.54	90	75	110	12'6" Coil
T352AA354X12.6	354	3 9/16	90	4.02	102	75	136	12'6" Coil
T352AA400X12.6	400	4	102	4.49	114	75	152	12'6" Coil
T352AA450X12.6	450	4 1/2	116	5.00	127	75	169	12'6" Coil
T352AA500X12.6	500	5	127	5.55	141	75	216	12'6" Coil

Steam Hose Safety Facts

ALFAGOMMA®

Handling steam is a very hazardous situation. Using care and some safety precautions can minimize or eliminate personal or property damage.

SELECTING AND USING STEAM HOSE

1. Make sure steam hose is identified as a steam hose. It should be branded as such, stating working pressure and temperature rating.
2. Make sure working pressure and temperature is not exceeded.
3. Do not allow hose to remain under pressure when not in use.
4. Avoid excess bending or flexing of hose near the coupling. Straight line operation is preferred. If bends are necessary as part of operation, spring guards may help.
5. Be sure to use recommended steam hose couplings and clamps on hose.

MAINTENANCE OF STEAM HOSE

1. Periodic inspection of hose should include looking for cover blisters and lumps.
2. Check for kinked areas that could damage hose.
3. Drain hose after each use to avoid tube damage before hose is put back in operation, to avoid “popcorning” of the tube.
4. Check tightness of clamp bolts after each use.
5. Check to see if clamp halves are touching. If they are, recouple hose with smaller clamps to insure proper tightness or grip around hose.
6. Do not store hose over hooks.
7. Steam hose lying on metal racks or installed around steel piping will dry out the hose, causing tube and cover cracking.
8. For service in sub-zero applications, use only T331 Chlorobutyl hose.

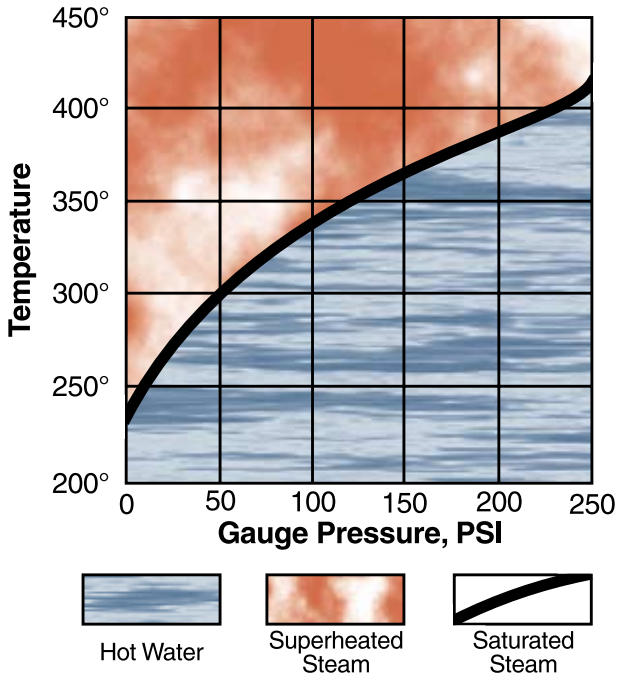
The charts represent the three forms of water when subjected to heat and pressure. Use only hoses specifically designed for the application.

Reprint from RMA IP-I 1-1 1987

STEAM HOSE CHART

SATURATED STEAM

Gauge Pressure (PSI)	Temperature of Saturated Steam (°F)
10	239
25	267
50	298
75	320
100	338
125	353
150	366
175	377
200	388
225	397
250	406



TEMPERATURE OF SATURATED STEAM

Gauge Pressure				Temp-erature		Gauge Pressure				Temp-erature	
lbl/m²	Kgf/cm²	Atm	Bar	°C	°F	lbl/m²	Kgl/cm²	Atm	Bar	°C	°F
25	1.76	1.70	1.73	130	267	120	8.44	8.16	8.28	177	350
30	2.11	2.04	2.07	134	274	140	9.84	9.52	9.66	182	361
35	2.46	2.38	2.42	138	281	160	11.25	10.88	11.04	188	371
40	2.81	2.72	2.76	141	287	180	12.65	12.24	12.42	193	379
45	3.16	3.06	3.11	144	292	200	14.06	13.60	13.80	198	388
50	3.52	3.40	3.45	148	298	225	15.82	15.30	15.53	203	397
60	4.22	4.08	4.14	153	307	250	17.58	17.00	17.25	208	406
70	4.92	4.76	4.83	158	316	275	19.33	18.70	18.98	212	414
80	5.62	5.44	5.52	162	324	300	21.09	20.40	20.70	216	422
90	6.32	6.12	6.21	166	330	325	22.85	22.10	22.43	221	429
100	7.03	6.80	6.90	170	338	350	24.61	23.80	24.15	225	437

CORROSIVE STEAM

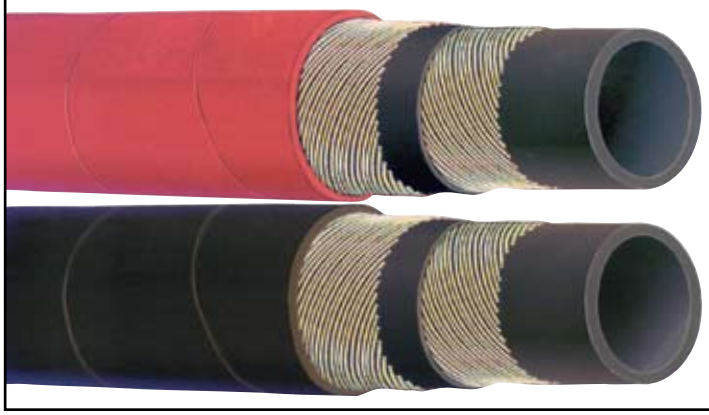
When the water used to generate steam contains dissolved air, oxygen or carbon dioxide, these gases end up as contaminants in the steam. At the high temperatures of steam both oxygen and carbon dioxide are extremely corrosive.

Carbon dioxide is acidic and therefore attacks metals, whereas the oxygen corrodes metals and oxidizes rubbers. Corrosion of metals in the presence of both oxygen and acids is forty times faster than with either alone. Boiler water is therefore normally treated not only to remove the “Hardness” which would cause “furring” of the boiler but also to remove dissolved oxygen and carbon dioxide and to ensure that the steam is not only not acidic but even slightly alkaline. Boiler water treatment is a specialized subject beyond the scope of this booklet but correct steam generation is important as we shall see in the next section.

DETERIORATION OF STEAM HOSE

Like all rubber products steam hoses have a finite life and are subject to gradual deterioration with use. However, it sometimes happens that hoses which have been giving a good life suddenly start failing without apparent reason. In such cases, it is often a change in the steam conditions causing a rapid acceleration of the normal failure mode. It is therefore useful to consider how long steam hoses normally last and thus how the condition of the steam affects hose life.

T330AH / T330AA - 250 PSI EPDM Steam Hose



T330AH
RED COVER

T330AA
BLACK COVER

Warning

Handling steam is very hazardous. If it is not properly controlled it can cause property damage, injury or even death. Selection for the proper application, usage, and maintenance will not only increase hose life but will insure safe operation for the user.

APPLICATION

The transfer of saturated steam up to 250 PSI AND 406°F. **Use with superheated steam will shorten hose life.**

★ **Proper draining of steam hose after each use will increase service life.**

★ **Not recommended for washdown applications where detergent or oils are present.**

COVER

Red or black heat-resistant EPDM rubber. Wrapped cover fabric impression. Pin-pricked cover to allow venting.

REINFORCEMENT

High tensile spiral steel wire.

TUBE

Black, heat-resistant EPDM rubber. **Not for steam cleaner use.**

TEMPERATURE RANGE

-40°F (-40°C) to 406°F (+210°C)

STANDARD LENGTH

50 or 100 feet

WORKING PRESSURE

Constant Pressure — 17 Bar (250 PSI)

BRANDING

Embossed brand ALFAGOMMA – ITALY T330 17 BAR (250 PSI) STEAM – DRAIN AFTER USE - QTR/YEAR

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T300AH/AA050	1/2	13	0.98	25	38	5
T330AH/AA075	3/4	19	1.26	32	49	7 1/2
T330AH/AA100	1	25	1.50	38	60	10

REFER TO STEAM HOSE SAFETY FACTS PAGE 22

COUPLING SUGGESTIONS

Steel or malleable iron male insert NPT or female ground joint or washer type with spuds attached with 2 or 4 bolt interlocking clamps.

★ Kuriyama offers a full line of ground joint couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

★ Universal quick-acting couplings should not be used with *steam* hose.

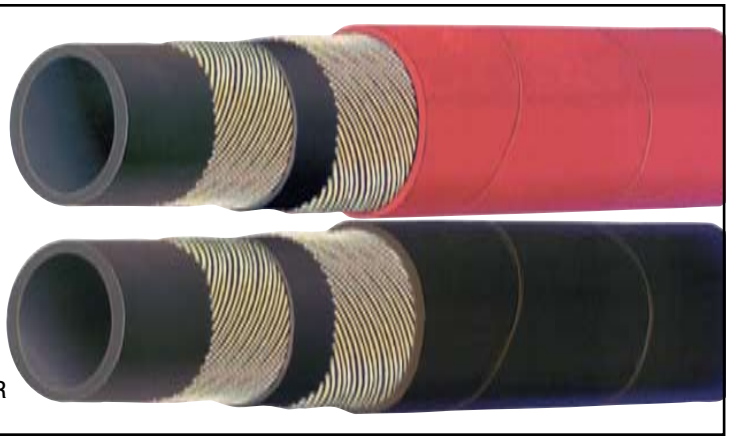
T331AH / T331AA - 250 PSI Chlorobutyl Steam Hose

Warning

Handling steam is very hazardous. If it is not properly controlled it can cause property damage, injury or even death. Selection for the proper application, usage, and maintenance will not only increase hose life but will insure safe operation for the user.

T331AH
RED COVER

T331AA
BLACK COVER



APPLICATION
The transfer of saturated and superheated steam up to 250 PSI and max 430°F in shipyards, chemical plants and industrial applications.

★ **Proper draining of steam hose after each use will increase service life.**

★ **Not recommended for washdown applications where detergent or oils are present.**

COVER
Red or black heat-resistant EPDM rubber. Wrapped cover fabric impression. Pin-pricked cover to allow venting.

REINFORCEMENT
High tensile spiral steel wire.

TUBE
Black Chlorobutyl. **Not for steam cleaner use.**

TEMPERATURE RANGE
-40°F (-40°C) to 430°F (+220°C)

STANDARD LENGTH
50 or 100 feet.

WORKING PRESSURE
Constant Pressure — 17 Bar (250 PSI)

BRANDING
Embossed brand ALFAGOMMA – ITALY T331
17 BAR (250 PSI) STEAM – DRAIN AFTER USE - QTR/YEAR

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T331AH/AA050	1/2	13	0.98	25	40	5
T331AH/AA075	3/4	19	1.26	32	52	7 1/2
T331AH/AA100	1	25	1.50	38	67	10
* T331AH/AA125	1 1/4	32	1.81	46	83	12 1/2
* T331AH/AA150	1 1/2	38	2.05	52	97	15
* T331AH/AA200	2	51	2.64	67	153	20

*T331AA/AH 1¼", 1½" & 2" not suitable for "Ship to Shore" service.

REFER TO STEAM HOSE SAFETY FACTS PAGE 22

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT or female ground joint or washer type with spuds attached with 2 or 4 bolt interlocking clamps.

★ Kuriyama offers a full line of ground joint couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

★ Universal quick-acting couplings should not be used with *steam* hose.

T333AA - 250 PSI Refinery Steam Hose

T333AA
BLACK COVER

Warning

Handling steam is very hazardous. If it is not properly controlled it can cause property damage, injury or even death. Selection for the proper application, usage, and maintenance will not only increase hose life but will insure safe operation for the user.

APPLICATION
For use with saturated steam up to 406°F. in refineries, shipyards and chemical plants which require an oil-resistant cover. **Use with superheated steam will shorten hose life.**

★ **Proper draining of steam hose after each use will increase service life.**

★ **Not recommended for washdown applications where detergent or oils are present.**

COVER
Black CSM - Abrasion, Ozone and Hydrocarbon resistant - Pin-pricked cover to allow venting.

REINFORCEMENT
High tensile spiral steel wire.

TUBE
Black, heat-resistant EPDM rubber. **Not for steam cleaner use.**

TEMPERATURE RANGE
-40°F (-40°C) to 406°F (+210°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 17 Bar (250 PSI)

BRANDING
Embossed brand ALFAGOMMA – ITALY – T333 – 17 BAR (250 PSI) STEAM – DRAIN AFTER USE - QTR/YEAR

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T333AA075	3/4	19	1.30	33	54	7 1/2
T333AA100	1	25	1.54	39	67	10

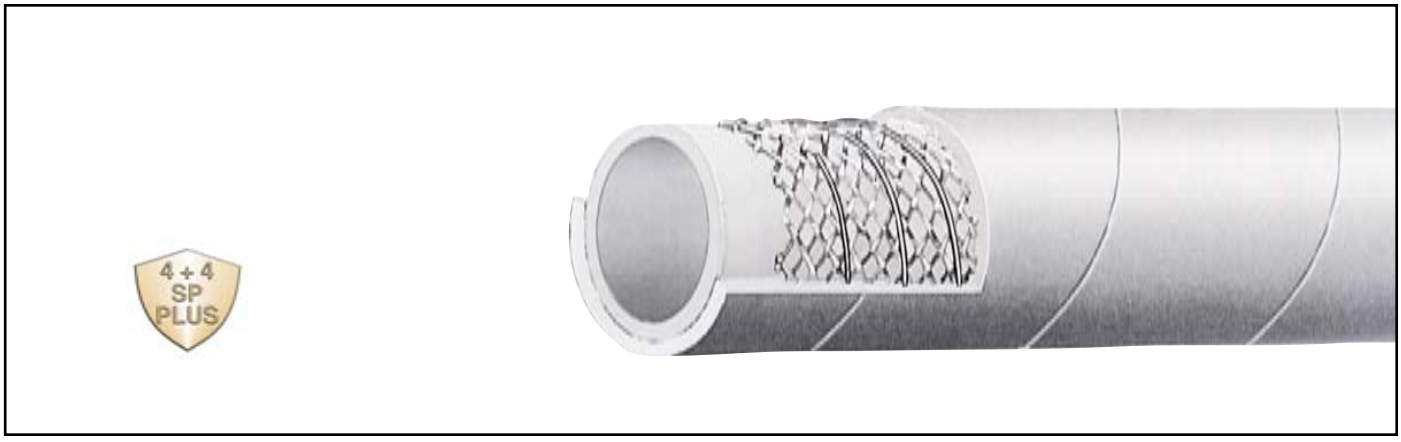
REFER TO STEAM HOSE SAFETY FACTS PAGE 22

COUPLING SUGGESTIONS
Steel or malleable iron male insert NPT or female ground joint or washer type with spuds attached with 2 or 4 bolt interlocking clamps.

★ Kuriyama offers a full line of ground joint couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

★ Universal quick-acting couplings should not be used with *steam* hose.

T405LL - 150 PSI White Food Transfer Hose



APPLICATION
Liquid, fatty and oily food and alcoholic beverage suction and delivery.

Hose may be sterilized with 30 PSI steam at 266°F for 30 minutes *maximum* – open end only.

★ **Not recommended for dry abrasive materials.**

COVER
White NBR/PVC – abrasion, ozone and oil resistant.

REINFORCEMENT
Spiralled high tensile textile cords, and ***4*** highly flexible steel helix wires.

TUBE
White NBR. Meets FDA and 3A requirements.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

BRANDING
ALFAGOMMA – ITALY T405 10 BAR (150 PSI) – GENERAL PURPOSE FOOD QUALITY – S & D (black letters)

Nominal Specifications

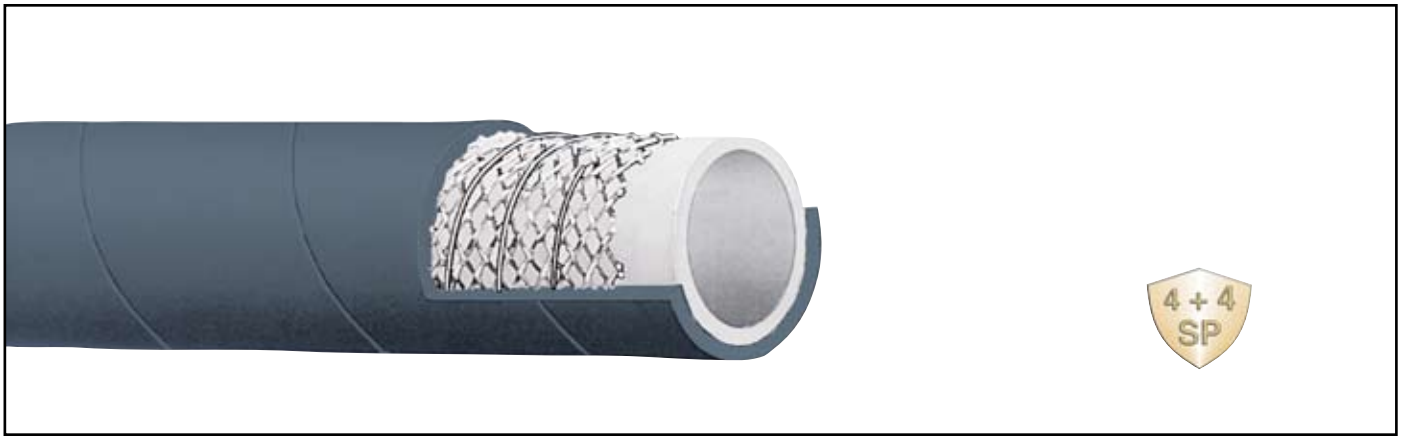
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T405LL100	1	25	1.46	37	59	3
T405LL150	1 1/2	38	1.97	50	81	4 1/2
T405LL200	2	51	2.48	63	105	6
T405LL300	3	76	3.46	88	165	9
T405LL400	4	102	4.57	116	228	12

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 31

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T405LB - 150 PSI Grey Food Transfer Hose



APPLICATION
Liquid, fatty and oily food and alcoholic beverage suction and delivery.

Hose may be sterilized with 30 PSI steam at 266°F for 30 minutes *maximum* – open end only.

★ **Not recommended for dry abrasive materials.**

COVER
Grey NBR/PVC – abrasion, ozone and oil resistant.

REINFORCEMENT
Spiralled high tensile textile cords, and ***4*** highly flexible steel helix wires.

TUBE
White NBR. Meets FDA and 3A requirements.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

BRANDING
ALFAGOMMA – ITALY T405 10 BAR (150 PSI) – GENERAL PURPOSE FOOD QUALITY – S & D (black letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T405LB200	2	51	2.56	65	126	8
T405LB300	3	76	3.54	90	200	12

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 31

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T452LE - 150 PSI Potable Water Hose

HOSE IS NOT NSF APPROVED.

APPLICATION
Discharge of water used for drinking. Most often used for temporary water lines in construction and industrial applications.

COVER
Blue SBR/EPDM blend — abrasion and ozone resistant.

REINFORCEMENT
High tensile textile cords.

TUBE
White NR. Meets FDA requirements.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C).

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA – ITALY T452 "POTABLE WATER HOSE" 150 PSI WP (in white letters)

Nominal Specifications

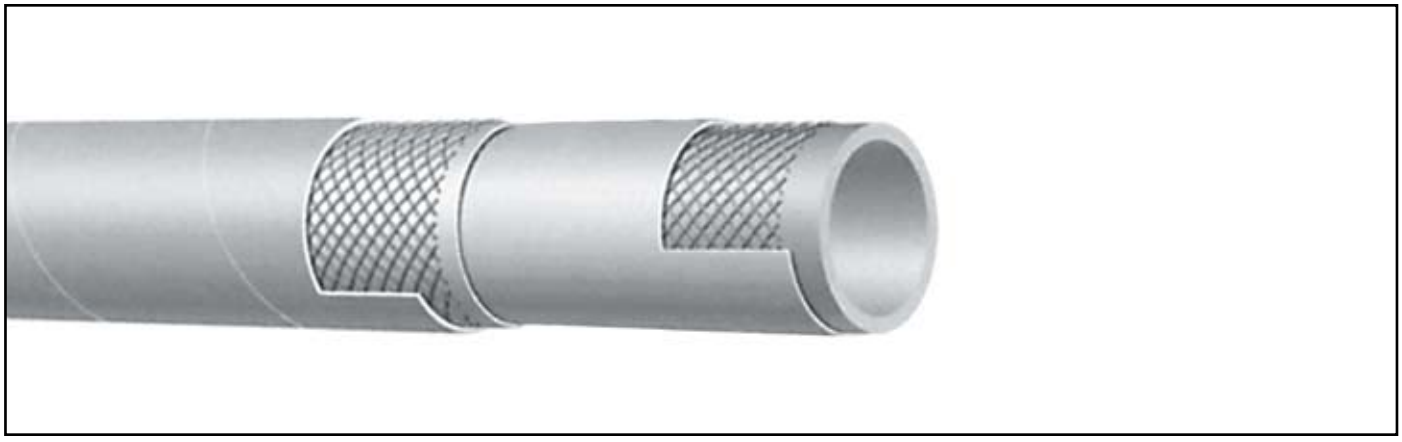
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T452LE150	1 1/2	38	1.97	50	72	150
T452LE200	2	51	2.56	65	113	150
T452LE250	2 1/2	63	3.03	77	136	150
T452LE300	3	76	3.62	92	188	150
T452LE400	4	102	4.65	118	251	150

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 31

COUPLING SUGGESTIONS
Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T455LL - 150 PSI Food Discharge Hose



APPLICATION
Discharge of liquid, fatty and oily foods and alcoholic beverages.
Hose may be sterilized with 30 PSI steam at 266°F for 30 minutes *maximum* – open end only.
★ **Not recommended for dry abrasive materials.**

COVER
White NBR/PVC blend — abrasion, ozone and oil resistant.

REINFORCEMENT
High tensile textile cords.

TUBE
White NBR. Meets FDA and 3A requirements.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C).

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA – ITALY T455 10 BAR (150 PSI) – GENERAL PURPOSE FOOD TRANSFER (in black letters)

Nominal Specifications

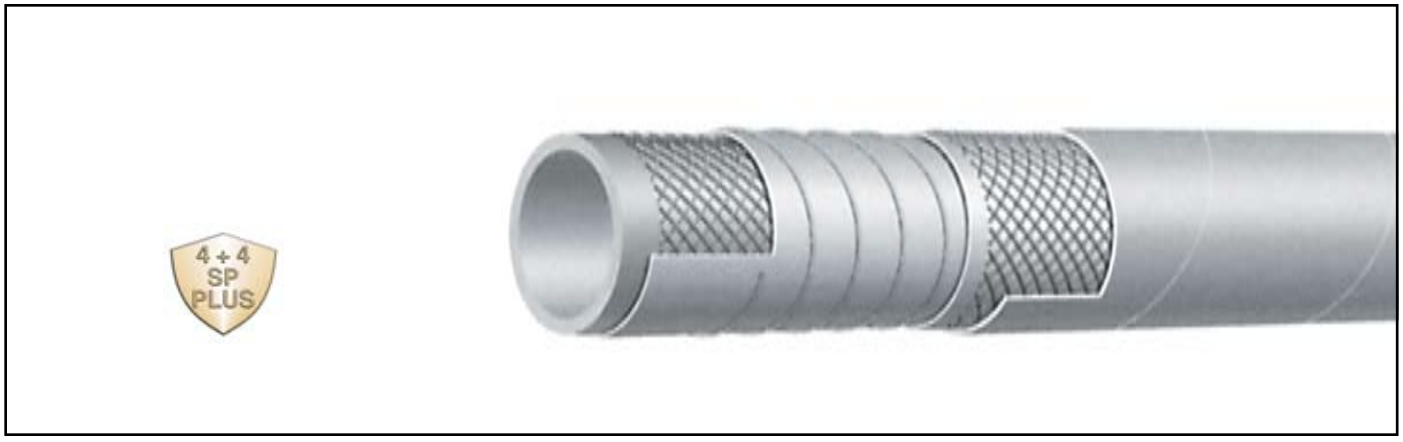
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T455LL150	1 1/2	38	1.89	48	58	150
T455LL200	2	51	2.48	63	93	150
T455LL300	3	76	3.46	88	136	150

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 31

COUPLING SUGGESTIONS
Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T408LL - 240 PSI Food & Beverage Suction & Discharge Hose



APPLICATION
Food and alcoholic beverage suction and discharge. Specially designed for wine, beer and spirits, up to 95 proof.

Hose may be sterilized with 30 PSI steam at 266°F for 30 minutes *maximum* – open end only.

★ **Not recommended for dry abrasive materials.**

COVER
White EPDM — abrasion and ozone resistant.

REINFORCEMENT
High tensile textile cords with embedded ***nylon*** helix.

TUBE
White, nontoxic chlorobutyl rubber. Meets FDA and 3A requirements.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C).

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA – ITALY T408 16 BAR (240 PSI) – FOOD SUCTION & DELIVERY – CRUSH RESISTANT (in black letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T408LL100	1	25	1.46	37	58	240	5
T408LL150	1 1/2	38	2.05	52	99	240	7 1/2
T408LL200	2	51	2.64	67	149	240	10
T408LL300	3	76	3.70	94	225	240	15

CONSULT FOOD HOSE GUIDE FOR MATERIAL COMPATIBILITY ON PAGE 31

COUPLING SUGGESTIONS
Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

FOOD HOSE MATERIAL COMPATIBILITY GUIDE

The following data is based on tests and believed to be reliable; however, we emphasize that the tabulation should be used as a guide only, since it does not take into consideration all variables such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested. Contact ALFAGOMMA for recommendation and assistance.

KEY TO FOOD HOSE MATERIAL COMPATIBILITY CHART

Note: All data based on 20°C (68°F) unless otherwise noted.

Blank = No Data
E = Excellent
G = Good
F = Fair
C = Conditional
I = Insufficient Data
X = Unsatisfactory

FOOD	NATURAL RUBBER	CHLOROBUTYL	EPDM	NBR
BEER	F	G	E	E
BEET SUGAR, GRANULAR	E	X	G	E
BUTTERMILK	X	F	G	E
CANE SUGAR, GRANULAR	E	X	G	G
CASHEW NUT OIL	X	F	G	
CASTOR OIL	X	F	G	E
CITRIC ACID	E	E	E	E
COCOA BUTTER	X	F	G	G
COCONUT OIL	X	F	G	E
CORN OIL	X	F	G	E
COTTONSEED OIL	X	F	G	E
ETHANOL (GRAIN ALCOHOL)	F	G	E	E
FISH MEAL				
FLOUR	E	X	G	
GRAPE JUICE	F	G	E	G
LACTIC ACID	F	F	G	E
LARD OIL	X	F	G	E
LINSEED OIL	X	F	G	E
LIQUOR (SPIRITS)	F	G	E	G
MILK	E	E	E	E
MINERAL OIL	X	X	X	E
MOLASSES	E	E	E	E
OLEIC ACID	X	F	G	F
OLIVE OIL	X	F	G	E
PALMITIC ACID	X	F	G	E
PARAFFINS	X	X	X	E
PEANUT OIL	X	F	G	E
POTATO FLOUR	E	X	G	
SALT, GRANULAR	E	X	G	E
SOYBEAN OIL	X	F	G	E
SUCROSE, GRANULATED	E	X	G	G
SUGAR, GRANULATED	E	X	G	F
SUGAR SYRUP	E	E	E	F
TALLOW	X	X		E
TOMATO JUICE, PASTE & PUREE SAUCE	E	E	E	G
VEGETABLE OILS	X	F	G	E
VINEGAR	F	F	G	F
WATER, POTABLE	E	E	E	E
WHISKEY	F	G	E	E
WINES	F	G	E	E

ALFAGOMMA®

T505OG - 240 PSI XLPE Tube Chemical Hose

WARNING
BEFORE USING CHEMICAL HOSES CONSULT CHEMICAL RESISTANCE CHART OR CONSULT FACTORY.

APPLICATION
Suction and transfer service for a variety of chemicals and solvents. Will handle 90% of existing chemicals. See Chemical Resistance Chart on pages 58 – 66.

COVER
Green EPDM — abrasion and ozone resistant.

REINFORCEMENT
High tensile textile cords and ***4*** highly flexible steel helix wires.

TUBE
Transparent XLPE (cross-linked polyethylene).

TEMPERATURE RANGE
Normal recommended operating temperature is -4°F (-20°C) to 150°F (+65°C).

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA – ITALY T505 16 BAR (240 PSI) – XLPE
CHEMICAL – S & D (in orange letters)

NOTE — Can be sterilized with water and 5% soda mix

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.
NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T505 HOSE BE FLUSHED OUT AFTER EVERY USE.

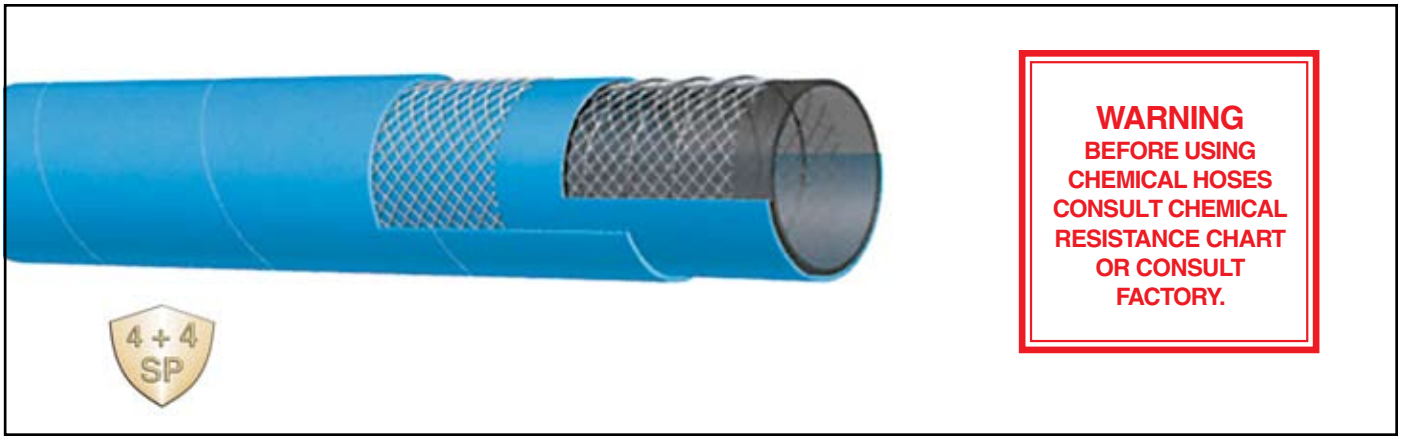
Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T5050G075	3/4	19	1.22	31	46	240	7 1/2
T5050G100	1	25	1.46	37	57	240	9
T5050G150	1 1/2	38	2.01	51	78	240	13 1/4
T5050G200	2	51	2.56	65	103	240	16 1/4
T5050G300	3	76	3.62	92	187	240	20 3/4
T5050G400	4	102	4.65	118	254	240	26 1/2

COUPLING SUGGESTIONS
Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T509OE - 240 PSI Alfachem UHMWPE Tube Chemical Hose



WARNING
BEFORE USING CHEMICAL HOSES CONSULT CHEMICAL RESISTANCE CHART OR CONSULT FACTORY.

APPLICATION
Suction and transfer service for a variety of chemicals and acids. Will handle 98% of EXISTING CHEMICALS. See Chemical Resistance Chart on pages 58 – 66.

COVER
Blue EPDM — abrasion and ozone resistant.

REINFORCEMENT
Synthetic textile cords with ***4*** highly flexible steel helix wires.

TUBE
Transparent UHMWPE (Ultra High Molecular Weight Polyethylene).

TEMPERATURE RANGE
Normal recommended operating temperature is -4°F (-20°C) to 150°F (+65°C).

FEATURES
Meets FDA requirements

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA – ITALY T509 16 BAR (240 PSI) – UHMWPE CHEMICAL – S&D (in orange letters)

NOTE: Can be Sterilized with 30 PSI saturated steam at 250˚F for 30 minutes - OPEN END

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.
NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T509 HOSE BE FLUSHED OUT AFTER EVERY USE.

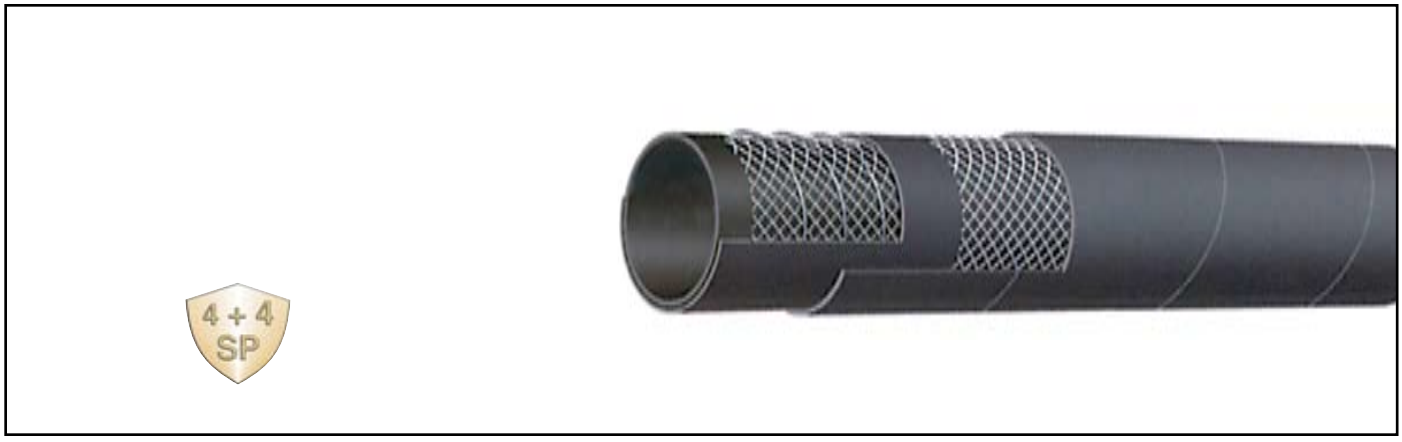
Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T5090E075	3/4	19	1.22	31	40	240	7 1/2
T5090E100	1	25	1.46	37	49	240	9
T5090E125	1 1/4	32	1.73	44	58	240	10 1/4
T5090E150	1 1/2	38	1.97	50	68	240	13 1/4
T5090E200	2	51	2.48	63	89	240	16 1/4
T5090E250	2 1/2	63	3.03	77	140	240	17 1/2
T5090E300	3	76	3.62	92	190	240	20 3/4
T5090E400	4	102	4.65	118	259	240	26 1/2

COUPLING SUGGESTIONS
Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T600AA - Hard Wall Marine Exhaust Hose USCG/SAE J1527 B2



APPLICATION
Fuel, oil and hydraulic fluids suction and delivery with up to 50% aromatic content. Suitable for exhaust gas from water cooled stationary or marine diesel engines.

COVER
Black NBR/PVC blend — abrasion, ozone, hydrocarbon and fire resistant.

REINFORCEMENT
High tensile textile cords and ***4*** highly flexible steel helix wires.

TUBE
Black NBR — exhaust gas, fuel and fire resistant.

TEMPERATURE RANGE
-4°F (-20°C) to 212°F (+100°C)

STANDARD LENGTH
25 or 50 feet

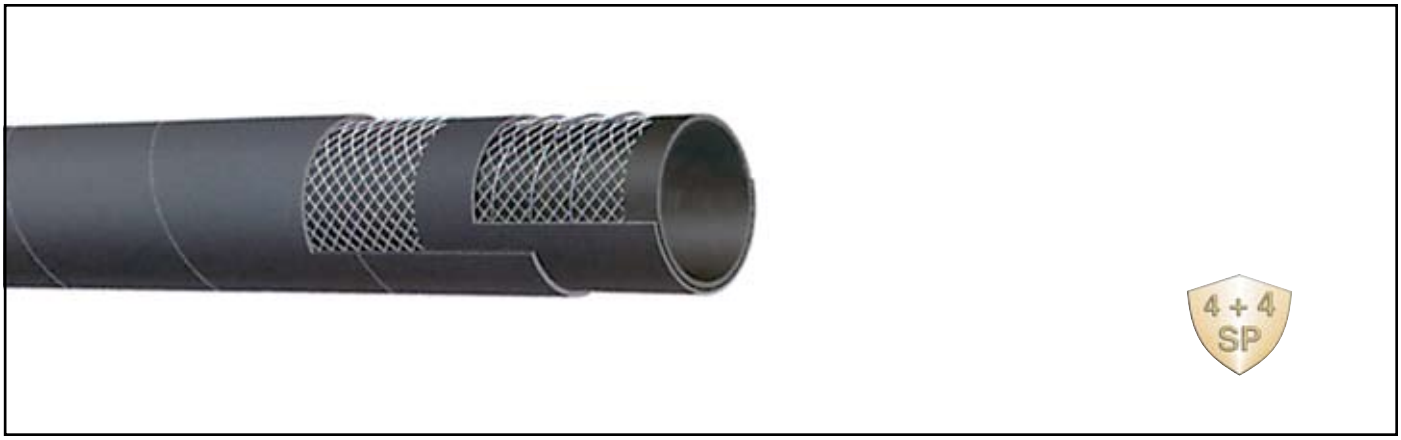
BRANDING
ALFAGOMMA – ITALY T600 MARINE EXHAUST/FUEL S & D – *<SIZE>* – USCG/SAE J1527 TYPE B2 (in red letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T600AA062	5/8	16	1.02	26	36	75	2
T600AA075	3/4	19	1.18	30	44	75	2 1/4
T600AA087	7/8	22	1.26	32	48	75	2 3/4
T600AA100	1	25	1.38	35	54	75	3 1/4
T600AA112	1 1/8	28	1.50	38	58	75	3 1/4
T600AA125	1 1/4	32	1.65	42	65	75	3 3/4
T600AA137	1 3/8	35	1.77	45	69	75	4 1/4
T600AA150	1 1/2	38	1.89	48	75	75	4 1/2
T600AA162	1 5/8	42	2.05	52	81	75	5
T600AA175	1 3/4	45	2.16	55	86	75	5 1/4
T600AA189	1 7/8	48	2.28	58	91	75	5 3/4
T600AA200	2	51	2.40	61	97	75	6

continued

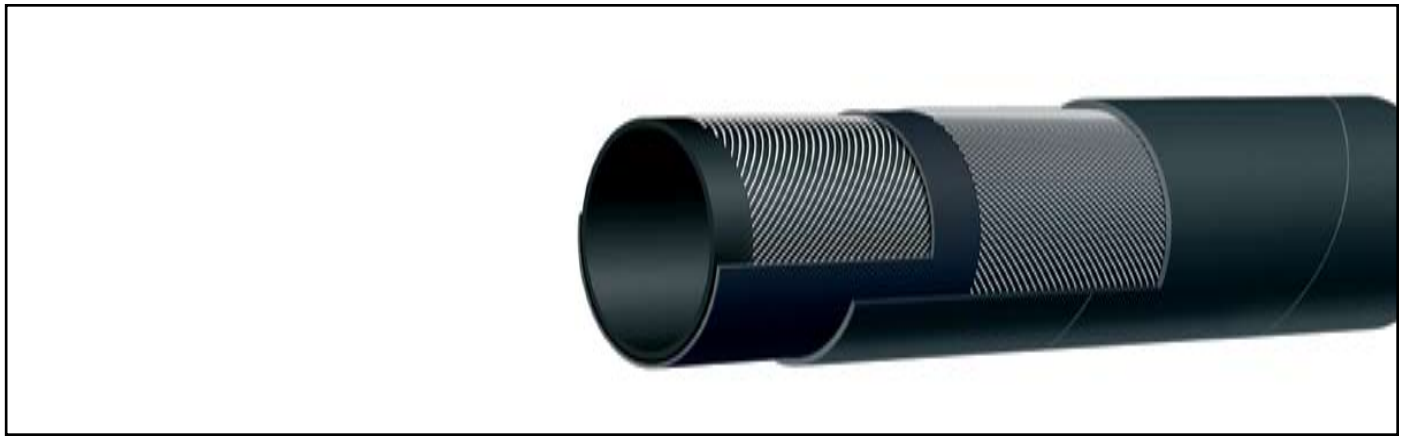
T600AA - Hard Wall Marine Exhaust Hose USCG/SAE J1527 B2 - *Continued*



Nominal Specifications - *Continued*

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T600AA225	2 1/4	57	2.64	67	108	75	6 3/4
T600AA238	2 3/8	60	2.76	70	124	75	7
T600AA250	2 1/2	63	2.87	73	130	75	7 1/2
T600AA275	2 3/4	70	3.11	80	141	75	8 1/4
T600AA300	3	76	3.39	86	152	75	9
T600AA350	3 1/2	90	3.94	100	190	75	10 1/2
T600AA400	4	102	4.41	112	212	75	12
T600AA450	4 1/2	115	5.08	129	270	75	13 1/2
T600AA500	5	127	5.55	141	302	75	15

T653AA - Soft Wall Marine Exhaust Hose - SAE J2006 R1



APPLICATION
Fuel, oil, bilge and water discharge applications.

COVER
Black NBR/PVC blend — abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT
High tensile textile cords.

TUBE
Black NBR

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+100°C)

STANDARD LENGTH
$12^{1}/_{2}$ feet in straight lengths

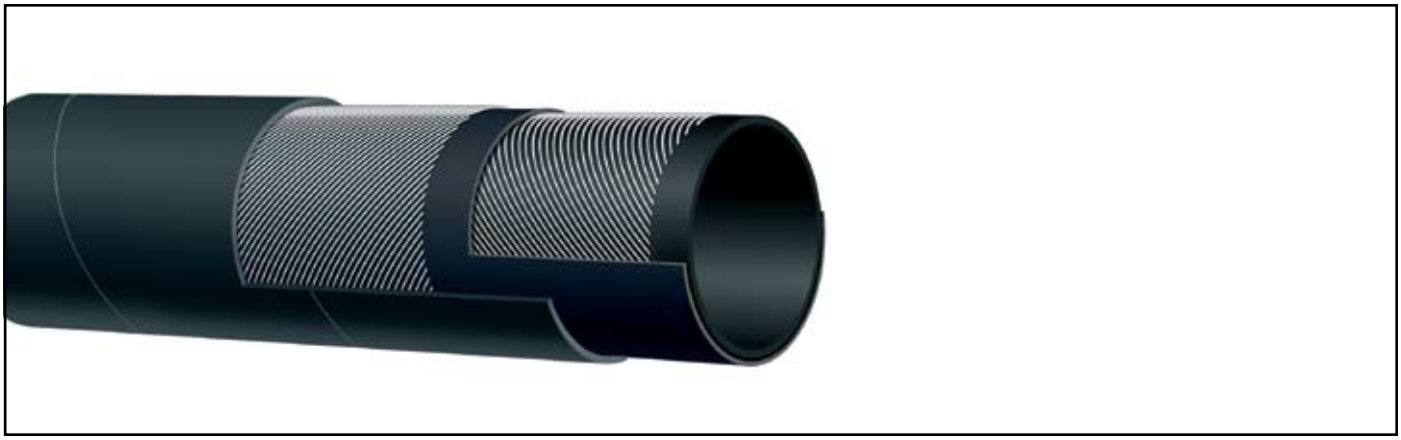
BRANDING
ALFAGOMMA – ITALY – T653 SOFTWALL MARINE WET EXHAUST SAE J2006 R1 *<SIZE> <YYYY MFG>* (in blue letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T653AA100	1	25	1.38	35	40	75
T653AA112	1 1/8	28	1.50	38	44	75
T653AA125	1 1/4	32	1.65	42	49	75
T653AA137	1 3/8	35	1.77	45	53	75
T653AA150	1 1/2	38	1.89	48	57	75
T653AA162	1 5/8	42	2.05	52	63	75
T653AA175	1 3/4	45	2.17	55	67	75
T653AA189	1 7/8	48	2.28	58	71	75
T653AA200	2	51	2.48	63	91	75
T653AA225	2 1/4	57	2.72	69	101	75
T653AA238	2 3/8	60	2.91	74	124	75
T653AA250	2 1/2	63	3.03	77	130	75

continued

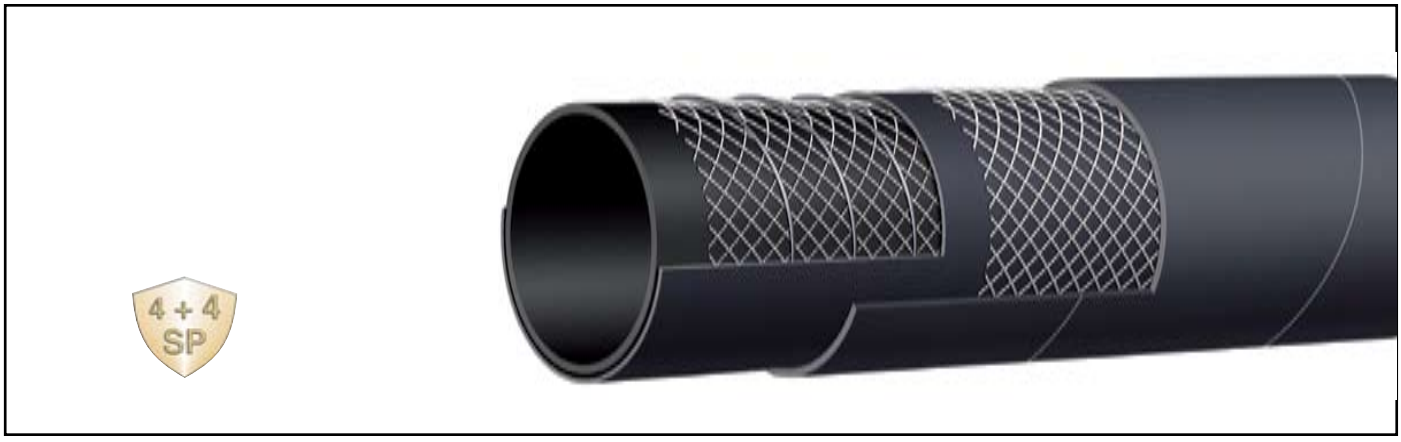
T653AA - Soft Wall Marine Exhaust Hose - SAE J2006 R1 - *Continued*



Nominal Specifications - *Continued*

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T653AA300	3	76	3.54	90	155	75
T653AA350	3 1/2	90	4.09	104	185	75
T653AA400	4	102	4.57	116	206	75
T653AA450	4 1/2	115	5.08	129	231	75
T653AA500	5	127	5.55	141	254	75
T653AA600	6	152	6.54	168	310	75
T653AA662	6 5/8	168	7.24	184	339	75
T653AA800	8	203	8.70	221	471	75

T601AA* - 150 PSI Oil Rigger/Oil Field Suction Hose



APPLICATION
Oil field vacuum tank service, for handling crude oil only.
NOTE: NOT RECOMMENDED FOR REFINED PETROLEUM PRODUCTS.

COVER
Black, SBR, abrasion, ozone, limited oil resistance.

REINFORCEMENT
High tensile textile cords and ***4*** highly flexible steel helix wires.

TUBE
Black Nitrile – PVC blend, limited oil resistance, for oil field use.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 2" through 6"
20 feet: 6" only

BRANDING
ALFAGOMMA – ITALY T601 10 BAR (150 PSI)
OIL RIGGER – OIL FIELD – S & D (in blue letters)

Nominal Specifications

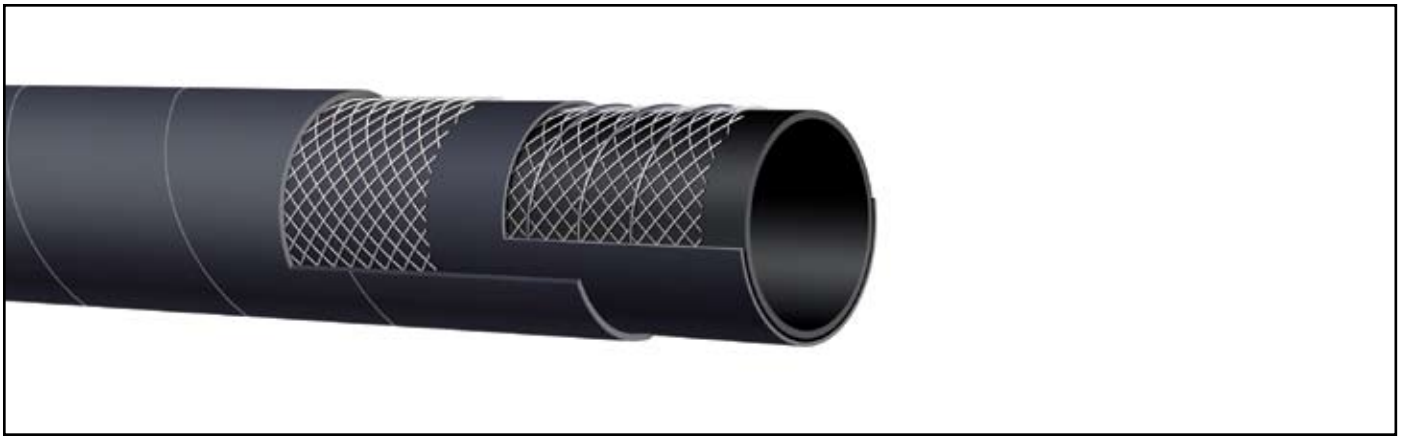
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T601AA200	2	51	2.40	61	91	150	10
T601AA300	3	76	3.46	88	169	150	15
T601AA400	4	102	4.57	116	232	150	20
T601AA600	6	152	6.61	168	444	150	30

COUPLING SUGGESTIONS
Combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

✱Note: All T601AA hose is stocked at our Houston, Texas and Santa Fe Springs, California warehouses only.

Flexor T604AA - SAE 100 R4 Oil Return Hose



APPLICATION
Low pressure return lines or suction lines with half the bend radius requirements of SAE J517 100 R4, service with petroleum based hydraulic fluids, water-glycol and water-fire resistant hydraulic fluids, oil, lubricants, crude oil, fuel oils and water.

COVER
Black CR - oil, fuel, weather, ozone and abrasion-resistant.
MSHA accepted cover available on request.

REINFORCEMENT
Textile reinforced with four spiral wire helix to prevent collapsing.

TUBE
Black, conductive NBR.

TEMPERATURE RANGE
-40° F (-40° C) to 212° F (+100° C) constant operation.
Maximum operating temperature: 257° F (+125° C).
Air maximum temperature: 175° F (80° C).

Note: Operating temperatures in excess of 212° F (+100° C) may materially reduce the life of the hose.

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA - Italy - T604 (PSI) - SAE 100 R4 - (SIZE) - Date

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T604AA075	3/4	19	1.14	29	41	300	2 1/4
T604AA100	1	25	1.38	35	50	250	3
T604AA125	1 1/4	32	1.65	42	61	200	3 3/4
T604AA150	1 1/2	38	1.89	48	69	150	4 1/2
T604AA200	2	51	2.40	61	89	100	6

COUPLING SUGGESTIONS
Crimp-on permanent type or combination nipples with bands.
Note: Hose cover does not need to be removed before attaching couplings.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T605AA - 150 PSI Black Petroleum Suction Hose

APPLICATION
For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content.

COVER
Black CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT
High tensile textile cords and steel helix wires.

TUBE
Black conductive NBR.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 3/4" through 6"
20 feet: 6", 8"

WORKING PRESSURE
Constant Pressure 150 PSI

BRANDING
ALFAGOMMA – ITALY T605 – 10 BAR (150 PSI)
PETROLEUM – S & D (in red letters)

Nominal Specifications

★ **T605 is not recommended for use on a reel.**

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T605AA075	3/4	19	1.14	29	40	3
T605AA100	1	25	1.38	35	50	4
T605AA125	1 1/4	32	1.65	42	60	5
T605AA150	1 1/2	38	1.89	48	69	6
T605AA200	2	51	2.40	61	89	8
T605AA250	2 1/2	63	2.95	75	140	10
T605AA300	3	76	3.46	88	167	12
T605AA400	4	102	4.57	116	228	16
T605AA600	6	152	6.69	170	481	24
T605AA800	8	203	8.86	225	782	32

COUPLING SUGGESTIONS
Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T605AH - 150 PSI Red Petroleum Suction Hose

APPLICATION
For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content.

COVER
Red CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT
High tensile textile cords and 4 highly flexible steel helix wires.

TUBE
Black conductive NBR.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure 150 PSI

BRANDING
ALFAGOMMA – ITALY T605 – 10 BAR (150 PSI)
PETROLEUM – S & D (in yellow letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T605AH150	1 1/2	38	1.89	48	71	6
T605AH200	2	51	2.40	61	92	8
T605AH300	3	76	3.46	88	171	12
T605AH400	4	102	4.57	116	234	16

★ **T605 is not recommended for use on a reel.**

COUPLING SUGGESTIONS
Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T620AA - 300 PSI Black Fuel & Oil Suction & Delivery Hose

***T609AA - 240 PSI OS&D Hose is Being Discontinued.**

NEW PRODUCT

APPLICATION
Fuel and oil suction and discharge for up to 50% aromatic content. Designed for heavy duty applications.

COVER
Black conductive CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT
High tensile textile cords, steel helix wires and static wire.

TUBE
Black conductive NBR.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 2" through 6"
20 feet: 6"

WORKING PRESSURE
Constant Pressure — 20 Bar (300 PSI)

BRANDING
ALFAGOMMA – ITALY T620 – 20 BAR (300 PSI)
PETROLEUM – S & D (in red letters) Ω

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T620AA200	2	51	2.48	63	112	8
T620AA300	3	76	3.54	90	178	12
T620AA400	4	102	4.57	116	241	16
T620AA600	6	152	6.69	170	516	24

COUPLING SUGGESTIONS
Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T629AA - 150 PSI Black Biofuel Petroleum Suction Hose

NEW PRODUCT

Biofuel Friendly PRODUCTS™

APPLICATION
For suction and discharge applications in truck and tank car transfer of gasoline, oil and Biofuels - up to E98 and B100* with up to 60% aromatic content at ambient temperature.

COVER
Black specially-blended neoprene - added resistance against abrasion, ozone and hydrocarbons.

REINFORCEMENT
High tensile textile cords and steel helix wires.

TUBE
Black conductive synthetic rubber.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 3/4" through 4"

WORKING PRESSURE
Constant Pressure 150 PSI

BRANDING
ALFAGOMMA – ITALY T629 – 10 BAR (150 PSI)
BIOFUEL □ (in green letters)

*Applies to Biodiesels which meet the ASTM D6751 criteria

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T629AA075	3/4	19	1.14	29	41	3
T629AA100	1	25	1.38	35	51	4
T629AA125	1 1/4	32	1.65	42	60	5
T629AA150	1 1/2	38	1.89	48	70	6
T629AA200	2	51	2.40	61	91	8
T629AA250	2 1/2	63	2.95	75	142	10
T629AA300	3	76	3.46	88	169	12
T629AA400	4	102	4.57	116	234	16

★ **T629 is not recommended for use on a reel.**

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T650AH - 150 PSI Oil Discharge Hose

APPLICATION
Oil discharge hose designed for use on trucks, docks or barges where a soft wall hose is required.

COVER
Red CR — abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT
Spiralled high tensile textile cords with embedded static wire.

TUBE
Black conductive NBR.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

BRANDING
ALFAGOMMA – ITALY T650 10 BAR (150 PSI) – PETROLEUM DELIVERY (in yellow letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T650AH150	1 1/2	38	1.89	48	62
T650AH200	2	51	2.40	61	81
T650AH300	3	76	3.46	88	142
T650AH400	4	102	4.49	114	192

COUPLING SUGGESTIONS
Quick-Acting or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

LT753AA - 150 PSI 2-Ply Sandblast Hose

APPLICATION
Designed to convey abrasive sand and shot blast material.

COVER
Black conductive SBR/NR blend – abrasion and ozone resistant – pin pricked.

REINFORCEMENT
High tensile textile cords — 2-ply construction.

TUBE
Static conducting natural rubber, offering excellent abrasion resistance.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
50 or 100 feet

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

BRANDING
ALFAGOMMA – ITALY T753 – 10 BAR (150 PSI)
SANDBLAST Ω

Nominal Specifications - LT753AA 2-Ply

SERIES NO.	NOMINAL ID		NOMINAL OD		TUBE THICKNESS	APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)		
LT753AA050	1/2	13	1.06	27	0.212	34
LT753AA125	1 1/4	32	1.89	48	0.240	77

NOTE: Tolerances according to RMA Class 311-A

Blasting Data Guide

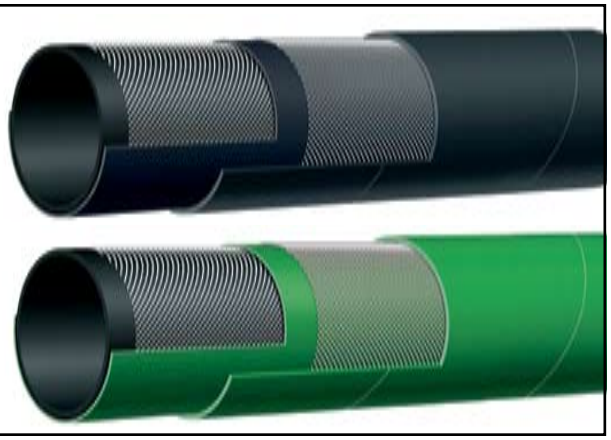
Premature hose wear can be prevented if the proper nozzle size is used for the corresponding hose ID size. (See chart below)

	NOZZLE TYPE				
	UB8	UB7	UB6	UB5	UB4
NOZZLE SIZE	1/2	7/16	3/8	5/16	1/4
CFM @ 100 PSI	350	260	200	150	90
AIR HOSE	2	1 1/2	1 1/2	1 1/4	1 1/4
S.B. HOSE SIZE	1 1/2	1 1/2	1 1/4	1 1/4	1
MAT. LB/HR	2250	1750	1260	900	540

T750AA / T750AG - 150 PSI 4-Ply Sandblast Hose

T750AA
BLACK COVER

T750AG
GREEN COVER



APPLICATION
Designed to convey abrasive sand and shot blast material.

COVER
Black or green, conductive SBR/NR blend – abrasion and ozone resistant – pin pricked.

REINFORCEMENT
High tensile textile cords — 4-ply construction.

TUBE
Static conducting natural rubber, offering excellent abrasion resistance.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
50 or 100 feet

WORKING PRESSURE
Constant Pressure — 10 Bar (150 PSI)

BRANDING
ALFAGOMMA – ITALY T750 – 10 BAR (150 PSI)
SANDBLAST Ω

Nominal Specifications - T750AA/AG 4-Ply

SERIES NO.	NOMINAL ID		NOMINAL OD		TUBE THICKNESS	APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)		
T750AA/AG075	3/4	19	1.50	38	0.236	63
T750AA/AG100	1	25	1.89	48	0.283	97
T750AA/AG125	1 1/4	32	2.17	55	0.283	116
T750AA/AG150	1 1/2	38	2.36	60	0.260	132
T750AA200	2	51	2.87	73	0.260	167

NOTE: Tolerances according to RMA Class 311-A

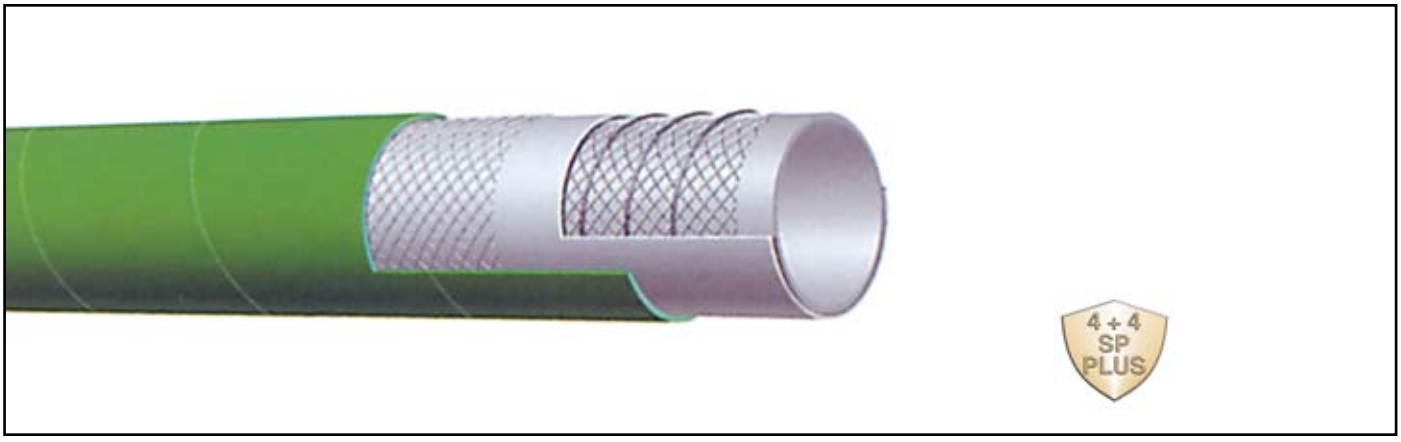
COUPLING SUGGESTIONS

Sandblast couplings and nozzle holders attached with screws. See next column for coupling part numbers.

★ Kuriyama offers a full line of sandblast couplings. Refer to current Kuriyama-Couplings™ and Accessories Catalog.

HOSE ID (in.)	HOSE ENDS	NOZZLE HOLDERS	THREADED FEMALE ADAPTER	GASKETS
3/4	Q-1AL, Q-1BR, Q-1PI	NH-1AL, NH-1BR	–	SBG
1	Q-2AL, Q-2BR, Q-2PI	NH-2AL, NH-2BR	–	SBG
1 1/4	Q-3AL, Q-3BR, Q-3PI	NH-3AL, NH-3BR	SB-1AL, SB-1BR	SBG
1 1/2	Q-4AL, Q-4BR, Q-4PI	NH-4AL, NH-4BR	SB-2AL, SB-2BR	SBG

T720LG - Material Handling Hose - FDA Grade



APPLICATION
Suction or discharge of wet or dry abrasive materials. Designed for grains, flour and pellet transfer.

COVER
Green SBR/EPDM blend — abrasion and ozone resistant.

REINFORCEMENT
Spiralled high tensile textile cords, with ***4*** highly flexible steel helix wires and static wire.

TUBE
3/16" white NR — abrasion resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet: 2" through 4"
20 feet: 5", 6" and 8"
50 feet: 4", 5" and 6"

WORKING PRESSURE
See chart below.

BRANDING
ALFAGOMMA – ITALY T720 – BULK FOOD & MATERIAL – S & D (in white letters)

Nominal Specifications

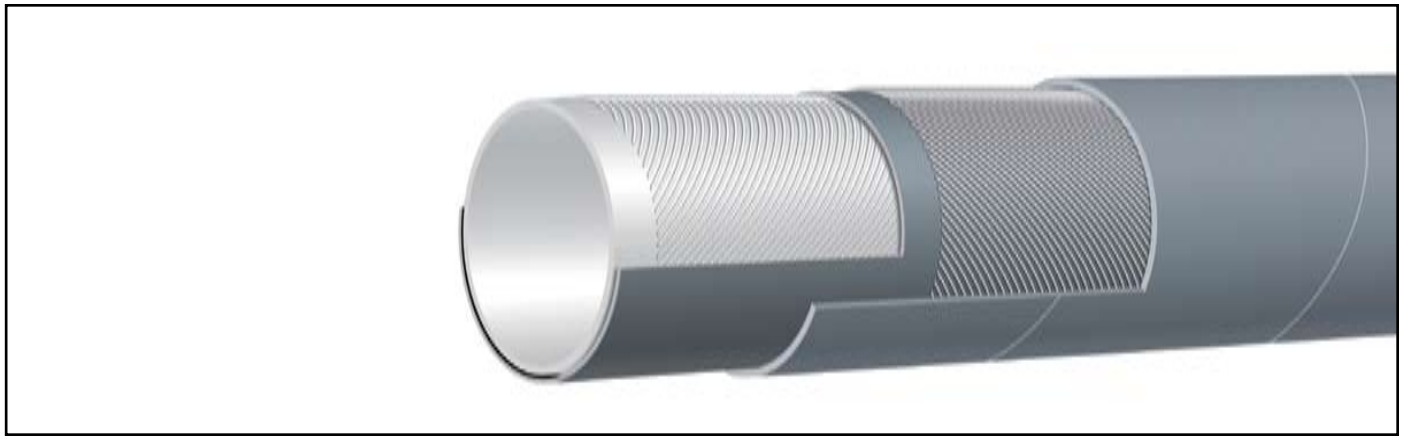
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T720LG200	2	51	2.64	67	122	150	6
T720LG300	3	76	3.62	92	188	150	9
T720LG400	4	102	4.65	118	256	150	12
T720LG500	5	127	5.71	145	379	75	20
T720LG600	6	152	6.69	170	466	75	24
T720LG800	8	203	8.78	223	701	75	32

★ **Please note: Proper grounding of static wire will prolong tube life.**

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T760LB - 75 PSI Dry Bulk Food Discharge Hose - FDA Grade



APPLICATION
Discharge or delivery of dry bulk food products.

COVER
Grey SBR/EPDM – abrasion and ozone resistant.

REINFORCEMENT
Spiralled high tensile textile cords and static wire.

TUBE
3/16" white NR – abrasion resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet.

BRANDING
ALFAGOMMA – ITALY T760 5 BAR (75 PSI) – BULK FOOD & MATERIAL DELIVERY (in white letters)

Nominal Specifications

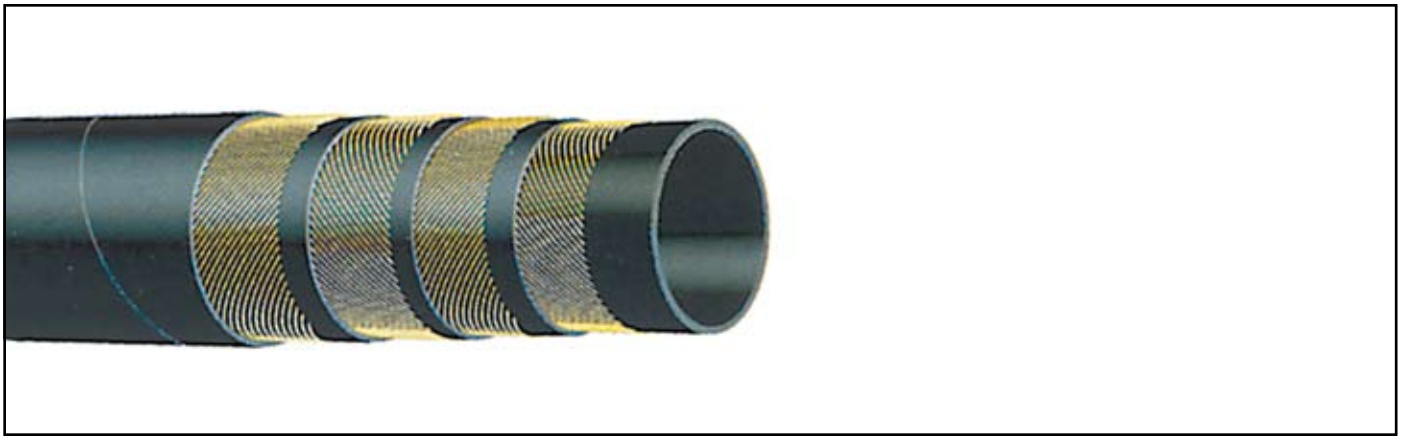
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T760LB400	4	102	4.65	118	212	75

★ **Please note: Proper grounding of static wire will prolong tube life.**

COUPLING SUGGESTIONS
Quick-Acting coupling attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T740AA - 1275 PSI High Performance Steel Reinforced Concrete Pumping Hose



APPLICATION
Steel-reinforced concrete pumping hose — Special easy-handling construction for concrete placement at casting site.

COVER
Black conductive SBR/NR blend — abrasion and ozone resistant.

REINFORCEMENT
High tensile steel cords.

TUBE
Black conductive NR — abrasion resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

WORKING PRESSURE
Working Pressure — 85 Bar (1275 PSI)

STANDARD LENGTH
50 or 100 feet (cut lengths available)

BRANDING
ALFAGOMMA – ITALY T740 85 BAR
(1275 PSI) W. P. HEAVY DUTY CONCRETE PUMPING (in white letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		WALL THICKNESS (mm)	APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T740AA200	2	51	2.68	69	9	145	10
T740AA250	2 1/2	63	3.35	85	11	227	10 1/2
T740AA300	3	76	3.94	100	12	308	15
* T740AA400	4	102	5.04	128	13	505	20
* T740AA500	5	127	6.10	155	14	736	25

*Cut lengths (9' 6" & 11' 6") available in 4" & 5" sizes. Check KOA for availability.

COUPLING SUGGESTIONS
Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

T757AA - 600 PSI Plaster & Concrete Hose

APPLICATION
Designed for pumping plaster, grout, and wet cement to placement sites.

COVER
Black conductive SBR/NR – abrasion and ozone resistant.

REINFORCEMENT
High tensile textile cords.

TUBE
Black conductive NR – abrasion resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 40 Bar (600 PSI)

BRANDING
ALFAGOMMA – ITALY T757 – 40 BAR (600 PSI)
PLASTER & CONCRETE (in white letters)

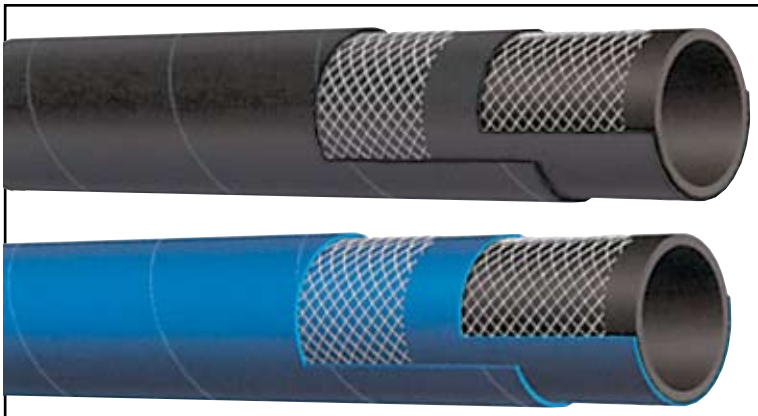
Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T757AA150	1 1/2	38	2.13	54	82
T757AA200	2	51	2.72	69	124
T757AA300	3	76	4.09	104	296
* T757AA400	4	102	5.12	130	393

***Special Order Only - Minimums Apply**

COUPLING SUGGESTIONS
Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

T758AA / T758AE - 800 PSI Plaster, Grout & Concrete Hose



T758AA
BLACK COVER

T758AE
BLUE COVER

APPLICATION
Designed for pumping plaster, grout, wet cement to construction placement sites at rated pressures.

COVER
BLACK — SBR/NR
BLUE — SBR/EPDM

REINFORCEMENT
Spiralled high tensile textile cords.

TUBE
Black conductive NR — abrasion-resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 55 Bar (800 PSI)

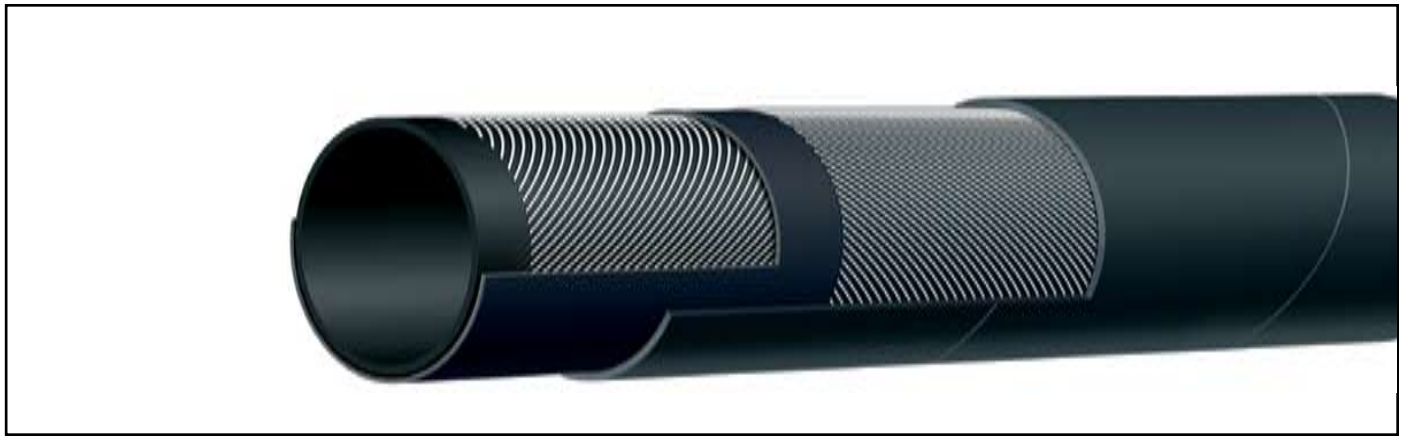
BRANDING
ALFAGOMMA – ITALY T758 – 55 BAR (800 PSI)
PLASTER & CONCRETE (in white letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T758AA/AE100	1	25	1.57	40	57
T758AA/AE125	1 1/4	32	1.93	49	85
T758AA/AE150	1 1/2	38	2.28	58	112
T758AA/AE200	2	51	2.80	71	151

COUPLING SUGGESTIONS
Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

T760AA - 75 PSI Light Weight Dry Powder Delivery Hose



APPLICATION
Discharge of dry powders under low pressure, such as cement, grains and animal feed transfer.

COVER
Black conductive SBR/NR blend — abrasion and ozone resistant.

REINFORCEMENT
Spiralled high tensile textile cords.

TUBE
3/16" thick black static conducting natural rubber, compounded to resist cutting by abrasive materials.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 5 Bar (75 PSI)

BRANDING
ALFAGOMMA – ITALY T760 5 BAR (75 PSI)
BULK MATERIAL DELIVERY (in white letters)

Nominal Specifications

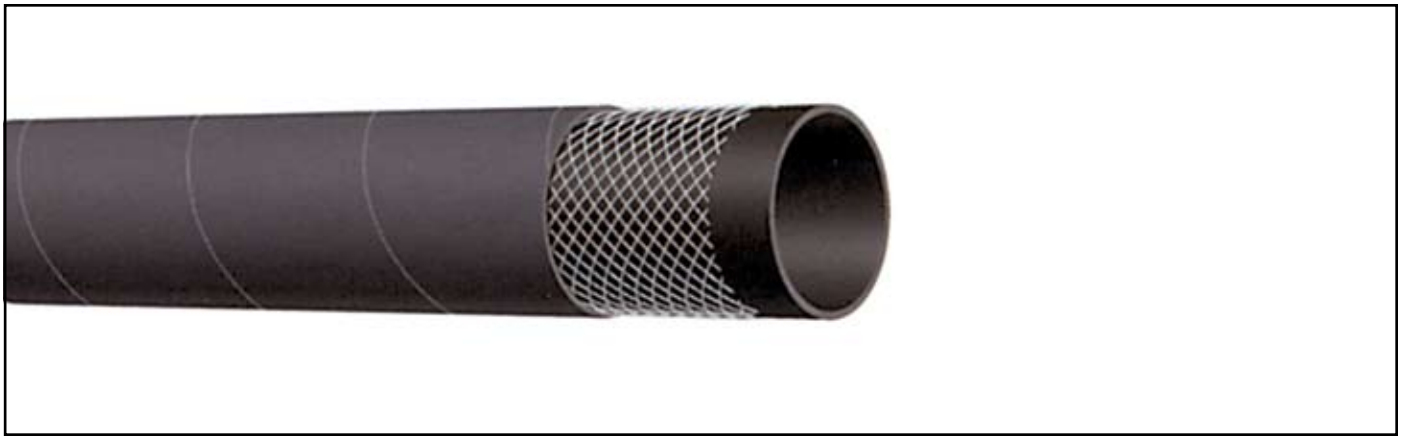
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T760AA400	4	102	4.53	115	160

★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T763AA - 75 PSI Heavy Weight Dry Powder Delivery Hose



APPLICATION
Discharge of dry powders under low pressure. Pneumatic transfer of dry materials and abrasive slurries.

COVER
Black conductive SBR/NR blend — abrasion and ozone resistant.

REINFORCEMENT
Spiralled high tensile textile cords.

TUBE
1/4" thick black static conducting natural rubber, compounded to resist cutting by abrasive materials.

TEMPERATURE RANGE
-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH
100 feet

WORKING PRESSURE
Constant Pressure — 5 Bar (75 PSI)

BRANDING
ALFAGOMMA – ITALY T763 5 BAR (75 PSI)
BULK MATERIAL DELIVERY (in green letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T763AA400	4	102	4.72	120	215
T763AA500	5	127	5.71	145	263

★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS
Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

T136AK - 1000 PSI Mine Spray Hose

APPLICATION
Underground mine water spray for dust control. Also useable on continuous mining machinery.

COVER
Yellow SBR/NBR blend — abrasion, ozone, hydrocarbon and fire resistant — pin pricked.

REINFORCEMENT
High tensile spiralled steel wire.

TUBE
Black SBR/NBR blend – oil mist resistant.

TEMPERATURE RANGE
-22°F (-30°C) to 200°F (+90°C)

STANDARD LENGTH
50 or 100 feet

WORKING PRESSURE
Constant Pressure — 1000 PSI

BRANDING
Embossed brand ALFAGOMMA – ITALY – 70 BAR (1000 PSI)
MINE SPRAY MSHA IC – 152/6

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T136AK075	3/4	19	1.14	29	46
T136AK100	1	25	1.38	35	61
T136AK125	1 1/4	32	1.65	42	79
T136AK150	1 1/2	38	1.97	50	103
T136AK200	2	51	2.56	65	153

COUPLING SUGGESTIONS
Permanently attached crimped hydraulic couplings.

T614AA - 150 PSI Hot Tar & Asphalt Suction & Delivery Hose

APPLICATION
Hot tar and asphalt suction and delivery service.

COVER
Black CSM — abrasion, ozone and hot tar resistant.

REINFORCEMENT
High tensile textile cords with steel helix wires.

TUBE
Black NBR — hot tar and asphalt resistant.

TEMPERATURE RANGE
-4°F (-20°C) to 356°F (+180°C)

WORKING PRESSURE
10 Bar (150 PSI)

STANDARD LENGTH
100 feet

BRANDING
ALFAGOMMA – ITALY T614 10 BAR (150 PSI) HOT TAR AND ASPHALT (on red stripe)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		WALL THICKNESS (mm)	APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T614AA200	2	51	2.72	69	9	151	10
T614AA300	3	76	3.78	96	10	250	15
T614AA400	4	102	4.80	122	10	334	20

COUPLING SUGGESTIONS
Permanently attached couplings are suggested for assemblies.

T957LL - 150 PSI Furnace Door Coolant Hose

NEW 2 ½" AND 3" SIZES!

APPLICATION
To convey cooling water to furnace doors in steel mills, glass plants, foundries, or where the hose is subjected to high temperatures and splashes of white-hot molten metals or glass.

COVER
Heat resistant tan EPDM, non-conductive resin-coated dust-free fiberglass cover.

REINFORCEMENT
High tensile textile cords.

TUBE
White EPDM rubber.

TEMPERATURE RANGE
Tube: -40°F (-40°C) to 248°F (+120°C)
Cover: -40°F (-40°C) to 1000°F (up to +540°C)

STANDARD LENGTH
100 feet

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T957LL050	1/2	13	0.98	25	30	150
T957LL175	3/4	19	1.30	33	47	150
T957LL100	1	25	1.54	39	58	150
T957LL125	1 1/4	32	1.89	48	84	150
T957LL150	1 1/2	38	2.13	54	98	150
T957LL200	2	51	2.64	67	126	150
T957LL250	2 1/2	63	3.19	81	154	150
T957LL300	3	76	3.78	96	213	150

Care, Maintenance & Storage

(Reprinted from RMA Hose Handbook 1 P-2 - Fourth Edition)

Hose has a limited life and the user must be alert to signs of impending failure, particularly when the conditions of service include high working pressures and/or the conveyance or containment of hazardous materials,

GENERAL CARE AND MAINTENANCE OF HOSE

Hose should not be subjected to any form of abuse in service. It should be handled with reasonable care. Hoses should not be dragged over sharp or abrasive surfaces unless specifically designed for such service. Care should be taken to protect hose from severe end loads for which the hose or hose assembly were not designed. Hose should be used at or below its rated working pressure; any changes in pressure should be made gradually so as to not subject the hose to excessive surge pressures. Hose should not be kinked or be run over by equipment. In handling large size hose, dollies should be used whenever possible; slings or handling rigs, properly placed, should be used to support heavy hose used in oil suction and discharge service.

STORAGE

Rubber hose products in storage can be affected adversely by temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents and radioactive materials.

The appropriate method for storing hose depends to a great extent on its size (diameter and length), the quantity to be stored, and the way in which it is packaged. Hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom. Since hose products vary considerably in size, weight, and length, it is not practical to establish definite recommendations on this point. Hose having a very light wall will not support as much load as could a hose having a heavier wall or hose having a wire reinforcement. Hose which is shipped in coils or bales should be stored so that the coils are in a horizontal plane.

Whenever feasible, rubber hose products should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons which provide some protection against the deteriorating effects of oils, solvents, and corrosive liquids; shipping containers also afford some protection against ozone and sunlight.

Certain rodents and insects will damage rubber hose products, and adequate protection from them should be provided.

The ideal temperature for the storage of rubber products ranges from 50° to 70°F (10-20°C) with a maximum limit of 100°F (38°C). If stored below 32°F (0°C), some rubber products become stiff and would require warming before being placed in service. Rubber products should not be stored near sources of heat, such as radiators, base heaters, etc., nor should they be stored under conditions of high or low humidity.

To avoid the adverse effects of high ozone concentration, rubber hose products should not be stored near electrical equipment that may generate ozone or be stored for any lengthy period in geographical areas of known high ozone concentration. Exposure to direct or reflected sunlight — even through windows — should also be avoided. Uncovered hose should not be stored under fluorescent or mercury lamps which generate light waves harmful to rubber.

Storage areas should be relatively cool and dark, and free of dampness and mildew. Items should be stored on a first-in, first-out basis, since even under

Technical Data

Flexibility & Bend Radius

Flexibility and minimum bend radius are important factors in hose design and selection if it is known that the hose will be subjected to sharp curvatures in normal use. When bent at too sharp an angle, hose may kink or flatten in the cross-section. The reinforcement may also be unduly stressed or distorted and the hose life thereby shortened.

Adequate **flexibility** means the hose should be able to conform to the smallest anticipated bend radius without over stress. The **minimum bend radius** is generally specified for each hose in this catalog. This is the radius to which the hose can be bent in service without damage or appreciably shortening its life. The radius is measured to the inside of the curvature.

Formula to determine minimum hose length given bend radius and degree of bend required:

$$L = \frac{A}{360^\circ} \times 2\pi B$$

Where:

L = Minimum length of hose to make bend (Bend must be made equally along this portion of hose length).

A = Angle of bend

B = Given bend radius of hose

π = 3.14

Example: To make a 60° bend at the hoses's rated minimum bend radius of 15 cm:

$$L = \frac{60}{360^\circ} \times 2 \times 3.14 \times 15 \cong 16 \text{ cm}$$

Thus, the bend must be made over approximately 16 cm of hose length. The bend radius used must be equal to or greater than the rated minimum bend radius. Bending the hose to a smaller bend radius than minimum may kink the hose and the result in damage and early failure.

Oil Resistance

The definition of Oil Resistance is currently related to Tensile Retention % and Volume Swell % of the tested material after immersion in ASTM No. 3 Oil and in ASTM Fuel B for 70 hours at 100°C (212°F). The hose industry is currently classifying the materials as follows:

Material Classification		Tensile Retention	Volume Swell
Maximum Oil Resistance	ASTM No. 3 Oil ASTM Fuel B	80% Min. 50% Min.	25% Max. 35% Max.
Medium Oil Resistance	ASTM No. 3 Oil ASTM Fuel B	40% Min. 35% Min.	100% Max. 60% Max.
None Oil Resistance	ASTM No. 3 Oil ASTM Fuel B	Less Than 40% Less Than 35%	More Than 100% More Than 80%

Safety Features

Air hose — 4:1 Safety factor. Burst vs Working pressure

Water hose — 3:1 Safety factor. Burst vs Working pressure

Steam hose — 10:1 Safety factor. Burst vs Working pressure

Chemical Guide

ALFAGOMMA®

The Chemical Guides in this section are offered as a general indication of the compatibility of the various materials used in ALFAGOMMA® hose with the chemicals and fluids listed. The basis for the ratings in this guide include actual service experience, the advice of various polymer suppliers, and the considered opinion of our rubber chemists. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle. Some of the variables that come into play in the resistance of a compound to chemical attack are:

1. Temperature of the Material Transmitted:
Higher temperatures increase the effect of chemicals on rubber compounds. The increase varies with the polymer and the chemical. A compound quite suitable at room temperature might fail very quickly at higher temperatures.

2. Service Conditions:
A rubber compound usually swells when exposed to a chemical. With a given percent of swell, the hose tube may function satisfactorily if the hose is in a static condition, but fail quickly if the hose is subject to flexing.

3. The Grade or Blend of the Rubber Compound:
Basic rubber polymers are sometimes mixed or blended together to enhance a particular property for a specific service. The reaction to a particular chemical blend of polymers may, therefore, be somewhat different from the reaction to the single ones. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle.

KEY TO GENERAL CHEMICAL RESISTANCE CHART

Note: All data based on 20°C (68°F) unless otherwise noted.

Blank	= No Data	G	= Good	C	= Conditional	X	= Unsatisfactory
E	= Excellent	F	= Fair	I	= Insufficient Data		

GENERAL CHEMICAL RESISTANCE OF ALFAGOMMA® HOSE COMPOUNDS

Common Name	ASTM Designation D1418-93	Composition	General Properties
Natural	NR	Isoprene Rubber (Natural)	Excellent physical properties, including abrasion resistance. Not oil resistant.
SBR	SBR	Styrene-Butadiene Rubber	Good physical properties, including abrasion resistance. Not oil resistant.
EPM or EPDM	EPDM	Ethylene-propylene-diene-terpolymer	Good general purpose polymer. Excellent heat, ozone and weather resistance. Not oil resistant.
Neoprene	CR	Chloroprene	Excellent weathering resistance. Flame retarding. Good oil resistance. Good physical properties.
BUNA-N or Nitrile	NBR	Nitrile-Butadiene	Excellent oil resistance. Good physical properties.
Hypalon®	CSM	Chloro-sulfonated polyethylene	Excellent ozone, weathering and acid resistance. Good abrasion and heat resistance. Can be compounded for good oil resistance.
Cross Linked Polyethylene	XLPE	Cross Linked Polyethylene	Excellent resistance to most solvents, oils and chemicals. Do not confuse with chemical properties of standard polyethylene.
Butyl	IIR	Isobutene-Isoprene	Very good weathering resistance, low permeability to air. Good physical properties. Poor resistance to petroleum-based fluids.
Chlorobutyl	CIIR	Chloro-Isobutene-Isoprene	Same general properties as Butyl and excellent resistance to high heat steam.
UHMWPE	UHMWPE	Ultra-High Molecular Weight Polyethylene	Excellent resistance to a majority of existing chemicals. Meets FDA requirements for food and beverages.
Synthetic Rubber		Synthetic Rubber	Black conductive synthetic rubber, excellent resistance to Biofuel based fluids.

Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Acetaldehyde	E	F	C	G	X		X	E	G	X
Acetic Acid, Glacial	G	X	X	G	C	X	X	E	E	X
Acetic Acid, 10%	E	F	F	E	X	F	F	E	G	E
Acetic Acid, 50%	E	X	X	E	X	G	X	E	E	F
Acetic Anhydride	E	G	G	E	X	F	X	E	G	X
Acetic Oxide (Acetic Anhydride)	E		G			F	G	E	G	X
Acetone	E	X	F	E	X	C	C	E	E	X
Acetone Cyanohydrin	E		F			F	F	E	G	X
Acetonitrile										X
Acetophenone	E	X	X	E	X	X	X			X
Acetyl Acetone	G	X	X	E	X	X	X	E	G	X
Acetyl Chloride	X	X	X	X	X	X	X	G	G	X
Acetyl Oxide (Acetic Anhydride)	E		G			F	G	E	G	X
Acetylene	E	G	E	E	E	E	E	F	E	E
Acetylene Dichloride										X
Acetylene Terachloride	X		X			X	X	G	G	X
Acrolein	E		G			G	F	E	G	F
Acrylonitrile	X	X	C	X	X	X	X	C	G	X
Acrylic Acid									G	X
Adipic Acid	E	G	E	G	G		G			E
Air, +300° F		X	X	X	X	X	X			G
Alk-Tri	X		X		X	X		E	I	X
Allyl Alcohol	E		E			E	E	E	E	E
Allyl Bromide	X		X			X	X	G	G	X
Allyl Chloride	F	X	X	X		X	X	G	G	G
Alum (Aluminum Potassium Sulfate)	E	E	E	E	E	E	E	E	E	C
Aluminium Acetate	G	G		E	F	X	X	E	E	C
Aluminium Chloride	E	E	E	E	E	E	E	E	E	E
Aluminium Fluoride	E	E	E	E	E	G	E	E		E
Aluminium Formate	G		X			X	X	E	E	X
Aluminium Hydroxide		E	G		G	E			E	E
Aluminium Nitrate	E	E	E	E	E	E	E	E		E
Aluminium Sulfate	E	E	E	E	E	E	E	E	E	E
Alumus-NH3-CR-K	E	E	E	E	E	E	E			
Amines-Mixed	G	G	X	G	X	G	G			X
Aminobenzene (Aniline)									G	X
Aminodimethilbenzene										C
Aminoethane (Ethylamine)									E	C
Aminoxylene										C
Ammonium Carbonate	E	E		E	X	E	E			C
Ammonium Chloride	E	E	E	E	E	E	E	E	E	G
Ammonium Hydroxide	E	E	G	E	X	X	X	E	E	C
Ammonium Nitrate	E	E	E	E	E		E	E	E	E
Ammonium Phosphate, Dibasic	E	E	E	E	E	E	E	E	E	E
Ammonium Sulphate	E	E	E	E	E	E	E	E	E	E
Ammonium Sulphide	E		E			E	E	E	E	C
Ammonium Thiosulfate	E		E			E	E	E	E	C
Amyl Acetate	E	X	X	X	X	X	X	E	E	X
Amyl Acetone	G		X			X	X	E		X
Amyl Alcohol	E	G	E	E	X	E	E	E	E	C
Amyl Bromide										X
Amyl Chloride	X	X	X	X		X	X	G	E	X
Amyl Ether										C
Amylamine	E		F			G	G		E	F

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Anethole	X		X			X	X	G	F	X
Aniline	E	X	X	C	X	X	X	E	E	X
Aniline Dyes	G	G	G	G	X	G	G	E	G	X
Aniline Oil	G	X	X	G	X	X	X		G	X
Animal Fats	G	C	X	C	E	X	X	E	E	E
Antimony Pentachloride	X		X			X	X	E	E	X
Aqua Regia	X	X	C	C	X	X	X	G	G	X
Argon	G	X	X	E	C	X	X			E
Arsenic Acid	E	E	E	E	E	E	E	E	E	E
Asphalt	X	X	X	X	X	X	X	X	X	C
ASTM Fuel A	X	E	G	X	E	X	X			E
ASTM Fuel B	X	X	X	X	E	X	X			C
ASTM Fuel C	X	X	X	X	G	X	X			C
ASTM Oil No. 1	X	E	G	X	E	X	X	E	E	E
ASTM Oil No. 2	X	G	X	X	E	X	X	E	E	E
ASTM Oil No. 3	X	X	X	X	E	X	X	E	E	E
ASTM Oil No. 4	X	X	X	X	G	X	X			C
Automatic Transmission Fluid	X	G	C	X	E	X	X			E
Banana Oil	C			C	X		X			X
Barium Chloride	E	E	E	E	E	E	E	E	E	E
Barium Hydroxide	E	E	E	E	E	E	E	E	E	E
Barium Sulfide	E	E	E	E	E	E	E	E	E	E
Beer	E	G	E	G	C	E	E			E
Beet Sugar Liquors	E	G	E	E	E	E	E			E
Benzal Chloride	G							E	E	X
Benzaldehyde	E	X	X	E	X	X	X	E	E	X
Benzene	X	X	X	X	X	X	X	E	G	X
Benzene Carboxylic Acid										X
Benzine (Gasoline)	X	G	X	X	E	X	X	E	E	E
Benzoic Acid	X	X	X	X	X	X	X	E	E	X
Benzol (Benzene)				X	X				G	X
Benzotrichloride								G	F	X
Benzyl Acetate	G		X			X	X	E	E	X
Benzyl Alcohol	X	C	F	X	X	X	X	E	E	X
Benzyl Chloride	G	X	C	G	X	C	C	E	E	X
Benzyl Ether (Dibenzyl Ether)										X
Biodiesel (BD100 O B100)										E
Biodiesel (BD20 O B20)										E
Bioethanol (E85)										E
BIS (2-Cloroethyl) Ether										
Black Sulfate Liquor	E	G	G	E	G	G	G		E	G
Bleach	G	X	F	G	X	X	X	G	F	X
Borax Solution	E	E	E	E	C	G	G	E		C
Boric Acid		E	E	E	E	E	E	E		E
Brake Fluid (Hd-557)12 Days	G	G	G	E	C		E			C
Brine	E	E	E	E	F	E	E	E	E	E
Bromacil				E						
Bromobenzene	X	X	X	X	X	X	X	C	G	X
Bromochlorometane	G	X	X	G	X	X	X	G	F	X
Bromoethane (Ethyl Bromide)										C
Bromotoluene	X		X			X	X	F	X	X
Bugdioxane								E		
Bunker Oil	X	X	X	X	E	X	E	E	G	E
Butadiene	X	X	C	X	X	X	X	E		X

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES

Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Butane	E	E	G	X	E	X	X	E		E
Butanoic Acid										C
Butanol (Butyl Alcohol)	E	E	E	G	E	E	E	E	E	E
Butanone					X			E	G	X
Butoxyethanol										C
Butyl Acetate	G	X	X	C	X	X	X	E	E	X
Butyl Acrylate	X	X	X	X	X	X		G	G	X
Butyl Alcohol	E	E	E	E	E	E	E	E	E	E
Butyl Aldehyde (Butyraldehyde)	E					F		E	E	X
Butyl Benzyl Phthalate	E	X	X	E	C	X	X	E	E	X
Butyl Carbitol	E	C	C	E	X	X	X	C	E	X
Butyl Cellusolve	E	X	X	G	C	X	X	E	E	C
Butyl Chloride	F		X			X	X	G	G	X
Butyl Ether	C	X	X	C	C	X	X	E	E	X
Butyl Ether Acetaldehyde	E		X			X	X	E	E	X
Butyl Ethyl Ether	G		X			X	X	E	E	G
Butyl Oleate	G	X	X	G	X	X	X			X
Butyl Phthalate	E		X			X	X	E	E	X
Butyl Stearate	X	X	X	X	G	X	X	E	E	C
Butylene	X	C	X	X	G	X	X		F	C
Butyraldehyde	E	X	X	G	X	X	X	E	E	X
Butyric Acid	F	X	X	G	X	F	X	E	E	C
Butyric Anhydride	F		G			F	X	E	E	C
Cadmium Acetate	G		X			X	X	E	E	X
Calcium Aluminate	E		E			E	E	E	E	E
Calcium Bichromate	E		F					G	F	C
Calcium Bisulfide		C		X	E					C
Calcium Chloride	E	E	E	E	E	E	E	E	E	E
Calcium Hydroxide	E	E	G	E	E	E	G	E	E	E
Calcium Hypochlorite	G	X	F	E	X	X	X	C	G	C
Calcium Nitrate	E	E	E	E	E	E	E	E	E	E
Calcium Sulfide	E	E	E	E	G	E	E	E	E	E
Calcium Acetate	G	G	X	E	G	X	X	E	E	C
Caprylic Acid	F		G			F	X	E	E	F
Carbamide (Urea)										G
Carbitol	F	G	X	G	G	X	X	E	E	C
Carbolic Acid Phenol	E	X	X	G	X	X	X	E	E	
Carbon Dioxide	E	C	E	C	X	E	E	E	E	E
Carbon Disulfide (Carbon Bisulfide)	X	X	X	X	X	X	X	C	F	X
Carbon Monoxide	E	C	E	C	E	E	G	E		E
Carbon Tetrachloride	X	X	X	X	X	X	X	G	G	X
Carbonic Acid	E	X	E	G	X	E	E	E	E	C
Castor Oil	E	E	E	G	E	F	G	E		E
Caustic Soda (See Sodium Hydroxide)									E	C
Cellosolve Acetate	E	X	X	G	X	X	X	E	E	X
Celluguard	E	E	E	G	E	E	E			E
Cetylic Acid (Palmitic Acid)										E
China Wood Oil (Tung Oil)	C	G	X	X	E	X	X			E
Chlorinated Solvents	X	X	X	X	X	X	X	G	G	X
Chloro-2-Propanone										
Chloroacetic Acid	F	X	X	X	X	X	X	E	E	X
Chloroacetone	G	X	X	E	X	X	X	E	E	X
Chlorobenzene	X	X	X	X	X	X	X	G	G	X
Chlorobutane	F		X			X	X	G	F	X

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Chlorodane (Chlordane)				E	E					C
Chlorothyl Benzene	X		X			X	X	E	E	C
Chloroform	X	X	X	X	X	X	X	G	G	X
Chloropentane	X		X			X	X	E	E	X
Chlorosulfonic Acid	X	C	X	X	X	X	X	G	X	X
Chlorotoluene	X	X	X	X	X	X	X	G	G	X
Chlorox	G	G	G	G	G	X	X			C
Chrome Plating Solutions	X	X	X	G	X	X	X			X
Chromic Acid	F	X	G	C	X	X	X	G	G	X
Chromium Trioxide (Chromic Oxide)										X
Cinnamene (Vinylbenzene)										C
CIS-9-Octadecenoic Acid (Oleic Acid)	G		X			X	X	E		G
Citric Acid	E	E	E	E	E	E	E	E		E
Coal Tar Oil (Coal Oil)	X		X	X	X	X	X	E	E	E
Coal Tar	X	G	X	X	E	X	X	E	E	C
Coal Tar Naphtha	X		X			X	X	E	E	X
Coconut Oil	G	G	X	C	E	X	X	E		E
Coke Oven Gas	X	X	X	X	X	X	X	E		X
Coolanol (Monsanto)		E	G	X	E	X	X			E
Copper Chloride	E	C	E	E	C	F	E	E	E	E
Copper Cyanide	E	E	E	E	E	E	E	E		E
Copper Hydrate	E		G			F	G	E	E	G
Copper Hydroxide (Copper Hydrate)	E		G			F	G	E	E	G
Copper Sulfate	E	E	E	E	E	F	E	E	E	E
Corn Oil	E	C	X	C	E	X	X	E		E
Cottonseed Oil	C	C	X	C	C	X	X	C	G	E
Creosote	X	C	X	X	C	X	X	E	E	C
Cresols	X	X	X	X	X	X	X	E	E	X
Cresylic Acid	X	X	X	X	X	X	X	E	E	X
Crotonaldehyde	E		X			X	X	E	E	X
Crude Oil	X	X	X	X	G	X	X	E	E	C
Cumene	X	X	X	X	X	X	X	E	E	X
Cupric Carbonate	E		E			F	E	E	E	
Cupric Hydroxide (Copper Hydroxide)										G
Cupric Nitrate (Copper Nitrate)	E		E			F	E	E	E	C
Cupric Sulfate (Copper Sulfate)	E		E			F	E	E	E	E
Cutting Oil	X	G	G	X	E	X	X			E
Cyclohexane	X	X	X	X	G	X	X	G	E	E
Cyclohexanol	X	G	X	X	C	X	X	E	E	G
Cyclohexanone	X	X	X	X	X	X	X	E	E	X
Cyclopentane	X		X			X	X	E	E	G
Cyclopentanol	X		X			X	X	E	E	
Cyclopentanone	X		X			X	X	E	E	X
Cyclopentil Alcohol (Cyclopentanol)										X
D-Furaldehyde (Furfural)										G
DDT In Kerosene	X	F	X	X	E	X	X	E	E	E
Decahydronaphthalene (Decalin)										X
Decahydroxynaphthalene										
Decalin	X	X	X	X	X	X	X	E	X	X
Decyl Alcohol (Decanol)	E		E			E	E	E	E	E
Decyl Aldehyde	E		X			X	X	E	E	X
Decyl Butyl Phthalate	E		X			X	X	E	E	X
Decil Carbinol										
Detergent, Water Solution	E	G	G	E	E	G	G			E

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES

Chemical Resistance Chart

Key to General Chemical Resistance Chart [all data based on 20°C (68°F) unless noted]:
E – Excellent; G – Good; F – Fair; C – Conditional; I – Insufficient Data; X – Not Recommended; Blank – No Data

Chemical or Material Conveyed	COMPOUND IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Developing Fluid (Photo)	G	E	E	G	E	E	G			E
Dextron	X	G	X	X	E	X	X			E
Di (2Ethylhexyl) Adipate (Dioctyl Adipate)										X
Di (2Ethylhexyl) Phthalate										X
Di-Iso-Butylene	X	X	X	X	G	X	X	E		C
Di-Iso-Decyl Phthalate (Dioctyl Phthalate)										X
Di-Iso-Propanolamine	E									G
Di-Iso-Propyl Ether	F		X			X	X	E		G
Di-Iso-Propyl Ketone	G	X	X	E	X	X	X	E		X
Di-P-Mentha-1,8-Diene										C
Diacetone Alcohol	E	X	X	X	X	X	X	C	E	X
Diacetylmethane (Acetylacetone)										X
Diallylphthalate Diallyl Phthalate)										
Diammonium Phosphate										E
Diamyl Naphthalene	E		X			X	X	E		
Diamylamine	E		G			F	G		E	G
Diamylene	X		X			X	X	E	E	
Diamylphenol	X		X			X	X	E	E	X
Dibenzyl Ether	E	X	X	X	X	X	X	E	E	X
Dibromobenzene	X		X			X	X	E	G	X
Dibromomethane (Methylene Bromide)										X
Dibutyl Ether	G	X	X	C	X	X	X	E	E	X
Dibutyl Phthalate	C	X	X	C	X	X	X	E	E	X
Dibutyl Sebacate	E	X	X	G	X	X	X	E	E	X
Dibutylamine	X	X	X	X	X	X	X		E	X
Dicalcium Phosphate	E		E			E	E	E	E	E
Dichloroethylene (1,2-Dichloroethene)									F	X
Dichloroacetic Acid	F		X			G	X	E	E	X
Dichlorobenzene	X	X	X	X	X	X	X	G	G	X
Dichlorobutane	X	X	X	X	G	X	X	E	E	C
Dichlorodifluoromethane	X		X			X	X		I	C
Dichloroethane	X		X			X	X	E	E	X
Dichloroethyl Ether	X		X			X	X	E	E	X
Dichlorohexane	X		X			X	X	E	E	X
Dichloromethane	X		X			X	X	E	E	X
Dichloropentane	X		X			X	X	E	E	X
Dichloropropane	X		X			X	X	E	E	F
Dichloropropene								E		C
Dichlorotoluene										
Diesel Oil	X	C	C	X	E	X	X	C	E	E
Diethanol Amine	E		F			G	G		E	C
Diethylbenzine	X	X	X	X	X	X	X	E	E	
Diethyl Ether	X	C	X	X	X	X	X	E		X
Diethyl Ketone	G		X			F	X	E	E	X
Diethyl Oxalate	E		X			E	E	E	E	X
Diethyl Phthalate	E	X	X	G		X	X	E	E	X
Diethyl Sebacate	E	X	X	C	X	X	X		E	C
Diethyl Sulfate									E	X
Diethyl Amine	E	C	C	G	C	G	G	C	E	C
Diethylene Glycol	E	E	E	E	E	E	E	C	E	E
Diethylene Oxide										X
Diethylenetriamine	E		F			G	G		E	G

Chemical or Material Conveyed	COMPOUND IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Diethyltriamine	E		F			G	G		E	
Dihydroxy Succinic Acid										G
Dihydroxydiethyl Ether (Diethylene Glycol)	E		E			E	E		E	E
Diisobutyl Ketone	G	X	X	G	X	X	X	E	E	X
Diisodecyl Phthalate	E		X			X	X	E	E	X
Diisooctyl Adipate	E		X			X	X	E	E	X
Diisooctyl Phthalate	E		X			X	X	E	E	X
Dimethyl Carbinol									E	C
Dimethyl Ketone									E	X
Dimethyl Phthalate	G	X	X	G	X	X	X	E	E	X
Dimethyl Sulfate									E	X
Dimethyl Sulfide									G	X
Dimethyl-3-Pentanone										
Dimethyl-4-Heptanone										
Dimethylamine								E	E	F
Dimethylaniline	C	C	X	G	C		C			X
Dimethylbenzene									E	X
Dimethylbutane (Iso-Pentane)										
Dioctyl Adipate									E	X
Dioctyl Phthalate	E	X	X	C	C	X	X	E	E	X
Dioxalane	C	X	X	G	X	X	X	E	E	
Dioxane	G	X	X	G	X	X	X		E	X
Dipentene	X	X	X	X	G	X	X			C
Dipentylamine (Diamylamine)										G
Dipropylamineolamine	E		G			G	G		E	
Dipropylene Glycol	E		E			E	E		E	E
Disodium Phosphate	E		E			E	E	E	E	E
Divinyl Benzene	X		X			X	X	E	E	X
Dowell Inhibitor										
Dowfax 2A1 Solvent										
Dowfax 2A1 TA										
Dowfax 6A1 Solvent										
Dowfax 6A1 TA										
Dowtherm, A and E	X	X	X	X	X	X	X	E	E	X
Dry Cleaning Fluids	X	X	X	X	C		X			C
Ducgkirioebaane	X									
Durd AW-16,31				X	E					
Duro FR-HD				X	E					
Ethanoic Acid (Acetic Acid)										C
Ethanol (Grain Alcohol)	E	E	E	E	C	E	E	E	E	E
Ethanolamine	E	G	C	E	G	G	G	C	E	C
Ethers	X	X	X	C	X	X	X			F
Ethyl Acetate	G	X	X	C	X	X	X	E	E	X
Ethyl Acetoacetate	G	X	X	G	X	X	X	E	E	X
Ethyl Acetone (2-Pentanone)										X
Ethyl Acrylate	G	X	X	G	X	X	X	G	E	X
Ethyl Alcohol	E	E	E	E	C	E	E	E	E	E
Ethyl Aldehyde	E					F		E	E	X
Ethyl Aluminium Dichloride	X		X			X	X	G	F	X
Ethyl Benzene	X	X	X	X	X	X	X	E	E	X
Ethyl Bromide	X	X	X	X	G	X				C
Ethyl Butyl Acetate	G		X			X	X	E	E	X
Ethyl Butyl Alcohol (Ethylbutanol)	E		E			E	E	E	E	

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Chemical Resistance Chart

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Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Ethyl Cellulose	G	G	G	G	G	G	G	E		C
Ethyl Chloride	F	X	X	X	X	X	X	G	G	E
Ethyl Dichloride	X		X			X	X	G	G	X
Ethyl Diisobutylthio-Cabarmate						E	E			
Ethyl Ether	C	X	X	X	C	X	X	E	E	X
Ethyl Formate	G	G	X	G	X	X	X	E	E	X
Ethyl Iodide	X		X			X	X	G	F	X
Ethyl Oxalate	X	X	X	X	X	X	X	E	E	X
Ethyl Phthalate									E	X
Ethyl Silicate	E	E	G	E	E	F	F	E	E	E
Ethyl-N-Butyl Ketone	G		X			X	X	E	E	X
Ethyl-1-Butanol	E		E			E	E	E	E	E
Ethylamine	G		F			F	F		E	C
Ethylene Chlorohydrin	G	C	G	C	X	G	G	E	G	X
Ethylene Diamine	E	E	F	E	E	G	G	E	E	C
Ethylene Dibromide	X	X	X	C	X	X	X	G	F	X
Ethylene Dichloride	X	X	X	X	X	X	X	G	G	X
Ethylene G. Monoethyl E Acetate							E			
Ethylene G. Monobutyl Ether								E		F
Ethylene G. Monoethyl Ether (Ethoxyethanol)								E		C
Ethylene G. Monoehexil Ether								E		
Ethylene Glycol	E	E	E	E	E	E	E	C	E	E
Ethylene Oxide	C	X	X	C	X	X	X		E	X
Fatty Acids	X	C	X	X	C	X	X	E	G	C
Ferric Bromide	E		E			E	E	E	E	E
Ferric Chloride	E	G	E	E	E	E	E	E	E	E
Ferric Nitrate	E	E	E	E	E	E	E	E		E
Ferric Sulfate	E	E	E	E	E	E	E	E	E	E
Ferrous Acetate	G		X			X	X	E	E	X
Ferrous Chloride	E	E	E	E	E	E	E	E	E	E
Ferrous Sulfate	E	E	E	E	G	E	E	E	E	E
Fluoboric Acid	E	C	E	E	C	E	G	C	G	E
Fluorine	C	X		X	X	X	X	X	X	X
Fluosilicic Acid	E	C	E	E	C	E	C	C	G	E
Formaldehyde	E	C	C	G	X	G	C	E	E	C
Formalin (Formaldehyde)	E		E			G	G	E	E	G
Formic Acid	E	C	F	E	X	G	G	C	E	C
Freon S02		E		E						
Freon 113		E	E	C	E	C	G			E
Freon 12	X	G	X	X	G	X	X	C	E	C
Freon 22	F	X	X		X	X	X	C	E	X
Fuel A (ASTM)	X	G	X	X	E	X	X	G	G	E
Fuel B (ASTM)	X	F	X	X	E	X	X	G	G	C
Fuel Oil	X	G	C	X	E	X	X	C	E	E
Furan (Furfuran)	X	X	X	C	X	X	X			X
Furfural	E	X	X	C	X	X	X	E	E	X
Furfuran (Furan)		X	X	C	X	X	X			X
Furfuryl Alcohol	F	X	X	G	X	X	X	E	E	X
Gallic Acid	G	X	C	G	C	E	C	C	E	C
Gallotannic Acid										
Gas, Coal										
Gas, High Octane		X		X	G					
Gasoline	X	X	X	X	E	X	X	E	G	E

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Glacial Acrylic Acid (Acrylic Acid)								E		X
Gluconic Acid	F		G			X	X	E	E	C
Glucose	E	G	E	G	G	E	E	E	G	E
Glycerine	E	E	E	E	E	E	E	C	E	E
Glycerol	E	E	E	E	E	E	E			E
Glycogenic Acid Gluconic Acid)										F
Glycols	E	E	E	E	E	E	E	E	G	E
Glyconic Acid (Gluconic Acid)										F
Glyclyl Alcohol										
Grease	X	X	X	X	E	X	X	G	E	E
Green Sulphate Liquor	E	G	E	E	G	E	E	E	E	C
Halon 1211		E			E					
Helium	E	E	E	E	E	E	E			E
Heptaldehyde										E
Heptanal	E		X			X	X	E	E	E
Heptane	X	G	X	X	E	X	X	G	E	E
Heptane Carboxylic Acid									E	
Heptanoic Acid										E
Heptanone										
Hexadecanoic Acid										E
Hexaldehyde	G	E	C	E	X	X	X	E	E	X
Hexane	X	C	X	X	C	X	X	G	G	E
Hexanol	E		E			E	E	E	E	C
Hexene	X	G	G	X	G	X	X	E	G	C
Hexyl Alcohol	C	G	C	C	E	E	E	E	E	C
Hexyl Methyl Ketone Methyl Hexyl Ketone)	G		X			X	X	E	E	X
Hexylamine	E		F			G	G		E	F
Hexylene Glycol	E		E			E	E		E	C
Histowax (Parafin Wax)										
Hydraulic & Motor Oil	X	C	G	X	E	X	X	E		C
Hydrazine	E	G	E	X	X	X				C
Hydrobromic Acid	E	X	E	E	X	E	X	C	G	X
Hydrochloric Acid	F	X	X	X	X	E	X	E	E	C
Hydrocyanic Acid	E	E	C	C	C	X				C
Hydrofluoric Acid	E	X	E	X	X	X	X	C	E	C
Hydrofluosilicic Acid	E	C	E	E		X			G	X
Hydrogen Chloride Anhydrous										X
Hydrogen Dioxide (10%) (Hydrogen Peroxide)	F					X	X		G	F
Hydrogen Gas	E	E	G	E	E	G	G	E	E	E
Hydrogen Peroxide Over 10%	X	X	X	X	X	X	X	C	F	X
Hydrogen Peroxide 10%	F	F	F	F	X	X	X	C	G	F
Hydrogen Sulfide (Wet)	E	C	X	E	X	X	X	E	G	X
Hydroxy Benzene (Phenol)										X
Hydroxyisobutyronirile (Acetone Cyanohydrin)										C
Hydroxytoluene (Benzyl Alcohol)										X
Hyvar VXL				E						
Iminodi-2-Propanol (Diisopropanolamine)										G
Iminodiethanol (Diethanolamine)										C
Iodine	C	X	E	C	C	C	C	C	E	C
Iodine Pentafluoride	X	X	X	X	X	X	X			X
Iodoform		X		X	E	X	X			E

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Chemical or Material Conveyed	COMPOUND IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Iso-Butanal (Isobutyraldehyde)									E	X
Iso-Butylamine									E	X
Iso-Butylbromide									G	X
Iso-Butylcarbinol (Isoamyl Alcohol)									E	E
Isocyanates								E	E	C
Isooctane	X	C	X	X	E	X	X	E	G	E
Isophopyl Acetate	G	X	X	X	X	X	X	E	E	X
Isophopyl Alcohol	E	C	E	E	C	E	E	E	E	C
Isopropyl Ether	X	X	C	X	C	X	X	E	E	G
Jet Fuels	X	G	X	X	E	X	X	E	E	C
JP-4 Oil	X	X	X	X	G	X	X			E
Kerosene	X	C	X	X	E	X	X	E	E	E
Ketones	E	X	X	E	C	X	X			C
Lacquer Solvents	X	X	X	X	X	X	X	G		X
Lactic Acid - Cold	E	E	G	X	X	G	G	C		C
Lactic Acid - Hot		X	C	X	X	X	X			C
Lard	X	C	X	X	E	X	X	C		E
Lavender Oil	X	X	X	X	G	X	X	G		C
Lead Acetate	G	G	X	E	G	E	X	E	E	C
Lead Nitrate	E	E	X	E	E	E	E			E
Lead Sulfate		E	E	E				E	E	E
Lime		C		G	X					G
Lime Bleach (Calcium Hypochlorite)	E	G	G	E	E	E	G			C
Lime Sulfur	E	E	E	E	X	X	X	E		E
Limonene (Dipentene)										C
Linoleic Acid	X	X	X	X	G	X	X			C
Linseed Oil	C	C	C	X	E	X	X	C	E	E
Liquid Petroleum Gas (LPG)	X	G	X	X	E	X	X	E	X	E
Lubricating Oil	X	C	F	X	G	X	X	E	E	C
Lye Solutions (Caustic Soda Solution)	E	G	E	E	G	G	G		G	C
MEK	G	X	X	E	X	X	X	E	G	X
Magnesium Acetate	G							E	E	X
Magnesium Chloride	E	E	E	E	E	E	E	E	E	E
Magnesium Hydrate (Magnesium Hydroxide)	E		G			E	G	E	E	C
Magnesium Hydroxide	E	G	G	E	G	E	G	E	E	C
Magnesium Sulfate	E	E	E	E	E	E	E	E	E	E
Maleic Acid	X	X	X	X	X	X	X	G	E	X
Maleic Anhydride	X	X	X	X	X	X	X			X
Malic Acid	X	C	G	X	C	C	C	C	G	E
Manganous Sulfate										E
MAPP		E		G	E		G			
Mercury	E	E	E	E	E	E	E	E		E
Mercury Vapors	E	E	E	E	E	E	E			E
Mesityl Oxide	G	X	X	G	X	X	X	E	E	X
Methallyl Alcohol	E		E			E	E	E	E	E
Methallyl Chloride										
Methane Carboxylic Acid (See Acidic Acid)		G		X						
Methanoic Acid (Formic Acid)										G
Methanol (Methyl Alcohol)	E	E	E	E	E	E	E		E	C
Methanol (Wood Alcohol)	E	E	E	E	E	E	E	E	E	C
Methoxy Ethanol										C
Methoxyethoxy Ethanol										

Chemical or Material Conveyed	COMPOUND IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Methoxypropenyl Benzene										
Methyl Acetate	G	X	X	E	X	X	X	E	E	X
Methyl Acetoacetate	G	X	X	G	X	X	X	E	E	X
Methyl Acetone (Ethyl Methyl Ketone)	G		X			F	X	E	E	X
Methyl Acetylene Propadiene		E		G	E		G			
Methyl Allyl Alcohol										
Methyl Allyl Chloride (Methylallyl Chloride)	F		X			X	X	G	E	
Methyl Amyl Carbinol (S-Heptyl Alcohol)	E		E			E	E	E	E	E
Methyl Benzene (Toluene)	X		X			X	X	E	E	X
Methyl Bromide	X	X	X	X	C	X	X	G		C
Methyl Butane (Iso-Pentane)										E
Methyl Butyl Alcohol									E	
Methyl Butyl Ketone	G	X	X	E	X	X	X		E	X
Methyl Carbitol (Diethylene Glycol Monomethyl Ether)	F		X			X	X	E	E	F
Methyl Cellosolve	E	C	X	G	C	X	X		E	C
Methyl Chloride	C	X	X	X	X	X	X	G	E	X
Methyl Cyanide										C
Methyl Ethyl Ketone	G	X	X	E	X	X	X	E	E	X
Methyl Hexanol	E		E			E	E	E	E	E
Methyl Methacrilate	X	X	X	C	X	X	X	G	G	X
Methyl Normal Amyl Ketone	G		X			X	X	E	E	C
Methyl Propyl Ether	G		X			X	X	E	E	X
Methyl Salycilate	G	X	X	G	X	C	C			X
Methyl Styrene (P-Vinyltoluene)										X
Methyl Sulfide (Dimethyl Sulfide)										X
Methyl Tertiary Metyl Ether	G	X			X		X			
Methyl 1-2, 4-Pentanediol										
Methyl-Iso-Amyl-Ketone										
Methyl-L-Propanol										
Methyl-2-Butanol	E		E			E	E	E		
Methyl-2-Butanone (Methyl Isopropyl Ketone)	G		X			X	X	E		X
Methyl-2-Hexanone (Methyl Isoamyl Ketone)	G		X			X	X	E		
Methyl-2-Pentanol (Methyl Amyl Alcohol)										G
Methyl-2-Pentanone Methyl Isobutyl Ketone)										X
Methyl-2-Propen-L-OL										
Methyl-3-Penten-1-ONE										
Methyl-4-Isopropyl Benzene (Cymene)										X
Methyl Amyl Acetate	G		X			X	X	E		
Methyl Amyl Alcohol	E		E			E	E	E	E	G
Methylcycloexane	X		X			X	X	G	E	X
Methylene Bromide									G	C
Methylene Chloride	X	X	X	X	X	X	X	G	G	X
Methylethyl Ketone	G	X	X	E	X	X	X	E		X
Methyl Hexyl Ketone	G		X			X	X	E		X
Methyl Isobutyl Carbinol (Methyl Amyl Alcohol)	E	G	C	E	G	G	G	C	E	X
Methylisobutyl Ketone	C	X	X	C	X	X	X	E	E	X

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Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Methylisopropyl Ketone	G	X	X	X	X	X	X	E	E	X
Methyllactonitrile (Acetone Cyanohydrin)										X
M-Ethylphenol										
Methylpropyl Carbinol	E		G			G	G	E	E	E
Methylpropyl Ketone	G		X			X	X	E	E	X
MIL-A-6091	E	E	E	E	G	E	E			C
MIL-C-4339	X	X	X	X	E	X	X			E
MIL-C-7024	X	X	X	X	E	X	X			E
MIL-E-9500	E	E	E	E	E	E	E			E
MIL-F-16884	X	C	C	X	E	X	X			E
MIL-F-17111	X	G	X	X	E	X	X			E
MIL-F-25558 (RJ-1)		G		X	E					E
MIL-G-10924	X	X	G	X	E	X	X			E
MIL-G-25013	X	G	G	X	E	X	X			E
MIL-G-25537		G		X	E					E
MIL-G-3545	X	G	C	X	E	X	X			E
MIL-G-5572	X	X	X	X	E	X	X			E
MIL-G-7711	X	X	X	X	E	X	X			E
MIL-H-05606 (HFA)		G		X	E					E
MIL-H-13910	G	E	G	E	E	G	E			E
MIL-H-19457	E	X	X	E	X	X	X			X
MIL-H-22251	E	G	G	E	G		G			C
MIL-H-27601		G		X	E					G
MIL-H-5606 (J43)		G		X	E					E
MIL-H-6083	X	E	G	X	E	X	X			E
MIL-H-8446 (MLO-8515)	X	E		X	G	X	X			G
MIL-J-5161	X	X	X	X	G	X	X			C
MIL-J-5624 (JP-3,JP-4,JP-5)	X	X	X	X	E	X	X			E
MIL-L-15016	X	G	G	X	E	X	X			
MIL-L-17331	X	G	G	X	E	X	X			
MIL-L-2104	X	G	C	X	E	X	X			E
MIL-L-21260	X	G	G	X	E	X	X			E
MIL-L-23699	X	C	C	X	G	X	X			C
MIL-L-25681		G		E	G					C
MIL-L-3150	X	G	G	X	E	X	X			E
MIL-L-4343	C	E	G	C	E	X	X			
MIL-L-6082	X	G	G	X	E	X	X			
MIL-L-6085	X	X	X	X	G	X	X			C
MIL-L-7808	X	X	X	X	G	X	X			G
MIL-L-7870	X	G	X	X	E	X	X			E
MIL-L-9000	X	G	C	X	E	X	X			E
MIL-L-9236	X	X	X	X	G	X	X			C
MIL-P-27402		G		E	G					C
MIL-R-25567 (RP-1)			X							
MIL-R-25576 (RP-1)										
MIL-S-3136 Type 1 Fuel	X	G	C	X	E	X	X			E
MIL-S-3136 Type 2 Fuel	X	X	X	X	G	X	X			C
MIL-S-3136 Type 3 Fuel	X	X	X	X	G	X	X			G
MIL-S-3136 Type 4 Oil, Lowswell	X	E	E	X	E	X	X			E
MIL-S-3136 Type 5 Oil, Medswell	X	G	G	X	E	X	X			E
MIL-S-3136 Type 6 Oil, Hi Swell	X	X	X	X	E	X	X			E
MIL-S-81087		E		E	E					E
Mineral Oil	X	C	F	X	E	X	X	E		E

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Mineral Spirits	X	F	X	X	E	X	X	E	E	C
Mobile HFA				X	E					E
Molten Sulfur	G		F			X	X	X		G
Mono-Chloroacetic Acid	F		X			G	X	E	E	X
Monobutyl Ether	F		X			X	X	E		G
Monochlorobenzene	X	X	X	X	X	X	X	G	G	X
Monochlorodifluoromethane (Chlorodifluoromethane)	F		X			X	X	C	I	X
Monoethanol Amine	E	X	X	E	X	E	X	E	E	G
Monoethyl Amine	G		F			F	F	C	E	C
Morpholine				X	X					X
Motor Oil, 40w										E
MTBE (Methyl Tert-Butyl Ether)	G	X			X		X		F	X
Muriatic Acid (Hydrogen Chloride)	F	X	X	F	X	E	X	E	E	C
N-Butanal (Butyraldehyde)										X
N-Butylamine	X	X	X	X	C	X	X			C
N-Butylbenzene	X		X			X	X	E		X
N-Butylbromide	X		X			X	X	G		X
N-Butylbutyrate	F		X			X	X	G		X
N-Butylcarbinol (Pentyl Alcohol)										E
N-Nonyl Alcohol										E
N-Octane	X	G	X	X	G	X	X	G		C
N-Serv (75% Xylene)								C		
NA-K				X	X					
Naphtha	X	X		X	C	X	X	E	E	C
Naphthalene	F	X	X	X	X	X	X	E	E	X
Naphthenic Acid		X	X	X	G	X	X			C
Natural Gas	X	E	F	X	E	X	X	C		E
Neohexane	X		X			X	X	E	E	E
Neon Gas	E	E	E	E	E	E	E			E
Neu-Tri	X		X			X	X	E	E	X
Nickel Acetate	E	G	X	E	G	E	X	E		C
Nickel Chloride	E	G	E	E	E	E	E	E	E	E
Nickel Nitrate	E	E	E	E		E	E	E	E	E
Nickel Sulfate	E	E	E	E	E	E	E	E	E	E
Nietylene						E				
Nitric Acid, Conc (16N)	C	X	G	X	X	X	X	G		X
Nitric Acid, Red Fuming	G	X	X	X	X	X	X	X	X	X
Njtric Acid,10%	G	X	X	C	X	X	X	C	E	X
Nitric Acid, 13N										X
Nitric Acid, 13N +5%										X
Nitric Acid, 20%	G	X	X	G	X	X	X	E	E	X
Nitric Acid, 30%	F	X	X	C	X	X	X	E	G	X
Nitric Acid, 30% - 70%	F	X	F	F	X	X	X	G	F	X
Nitrilotriethanol (Triethanolamine)										F
Nitrobenzene	F	X	X	X	X	X	X	E	E	X
Nitroethane	G	C	G	G	X	G	G	E		X
Nitrogen	E	E	E	E	E	E	E	E	E	E
Nitromethane	G	C	C	G	X	G	C	E		X
Nitrous Oxide Gas									E	E
Nonanoic Acid										E
Nonanol (Nonyl Alcohol)										E
Nuto H				X	E					
Nyvac Light				E	X					

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES

Chemical Resistance Chart

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Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Octanoic Acid (N-Caprylic Acid)										F
Octanol (Octyl Alcohol)	E		G			G	G	E	E	C
Octyl Acetate	G		X			X	X	E	E	C
Octyl Alcohol	E	G	E	C	G	E	E	E	E	C
Octyl Aldehyde	E		X			X	X	E	E	X
Octyl Amine	E		F			G	G	C	E	F
Octyl Carbinol	E		E			E	E	E	E	E
Octylene Glycol	E		E			E	E	C	E	E
Oil-Petroleum	X	G	F	X	E	X	X	E	G	
Oleic Acid	G	X	X	X	C	X	X	E	E	G
Oleum (Fuming Sulfuric Acid)	X	X	X	X	C	X	X	X	X	X
Olive Oil	E	E	F	E	E	X	X	C		E
Ortho-Dichlorobenzene	X	X	X	X	X	X	X	G	E	X
Ortho-Dichlorobenzol (O-Dichlorobenzene)	X		X			X	X	G	E	X
Orthoxylene	X		X			X	X	E	G	X
Oxalic Acid	E	X	X	E	X	X	X	C	E	G
Oxydiethanol										
Ozone	G	C	G	E	X	X	X	C	E	X
P-Cymene	X	X	X	X	X	X	X	E		X
Paint Thinner	X	X	X	X	X	X	X			X
Palmitic Acid	E	C	C	C	E	X	X	C	E	E
Papermakers Alum	E	E	E	E	E	E	E	E	E	
Para-Dichlorobenzene	X	X	X	X	X	X	X	G		X
Paraffin Wax	X	G	X	X	E	X	X	X	E	E
Paraldehyde	E					F		E	E	C
Paraxylene (P-Dimethylbenzene)	X		X			X	X	E	E	X
PCB										
Pelargonic Alcohol (Nonyl Alcohol)	E		X			X	X	E		E
Pentachloroethane	X		X			X	X	E	E	X
Pentadione										
Pentamethylene (Cyclopentane)										G
Pentane	X	G	F	X	E	X	X	G	G	E
Pentanol (Pentyl Alcohol)									E	
Pentanone	G		X			X	X	E	E	X
Pentasol (Pentachlorophenol)	E	E	E			E	E	E		C
Pentyl Acetate (Amyl Acetate)										X
Pentyl Alcohol (N-Amyl Alcohol)										C
Pentyl Bromide (Amyl Bromide)										X
Pentyl Chloride (Amyl Chloride)										X
Pentyl Ether (Amyl Ether)										C
Pentylamine (Amylamine)										F
Perchloric Acid	G	C	G	C	X	X	X	E		X
Perchloroethylene (Tetrachloroethylene)	X	X	X	X	X	X	X	G	G	F
Perchloromethane (Carbon Tetrachloride)										X
Petroleum Crude	X	G	X	X	E	X	X	E	E	G
Petroleum Ether	X		X	X	G	X	X	E	E	E
Petroleum Oils	X	G	X	X	X	X	X	E	E	X
Phenbo										
Phenol	E	X	X	X	X	X	X	E	E	X
Phenolsulfonic Acid	F		X			X	X	G	F	C
Phenylamine (Aniline)									G	X

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Phenylbromide (Bromobenzene)										
Phenylbutane										
Phenylchloride (Chlorobenzene)	X		X			X	X	E	E	X
Phenylethylene (Styrene)										X
Phenylmethane (Toluene)										X
Phenylmethanol (Benzyl Alcohol)										X
Phenylmethyl Acetate (Acetic Acid)										
Phosphate Esters				E	X					X
Phosphoric Acid 10%	E	X	E	X	X	E	E	E	E	E
Phosphoric Acid 10%-85%	G	X	E	X	X	G	X	E	E	G
Phosphorus Trichloride	E	X	X	E	X	X	X			X
Piric Acid, H20 Solution		C	G	X	X	G	G			E
Pine Oil	X	X	X	X	X	X	X	E	E	E
Pinene	X	F	X	X	G	X	X	E	E	C
Poly Chlorinated Biphenol										
Polyethylene Glycol E-400	E		E			E	E		E	C
Polyol Ester	X	X		X	G	X				G
Polypropylene Glycol	E		E			E	E		E	E
Potassium Acetate	G	G	X	E	G	X	X	E	E	C
Potassium Bisulfate	E		E			E	E	E	E	E
Potassium Bisulfite	E		E			E	E		E	E
Potassium Carbonate	E	E	E	E		E	E	E	E	E
Potassium Chloride	E	E	E	E	E	E	E	E	E	E
Potassium Chromate	E		F					G	G	G
Potassium Cyanide	E	E	E	E	E	E	E	E		E
Potassium Dichromate	E	E	F	E	E	G	G	G	G	E
Potassium Hydrate (Potassium Hydroxide)	E		G			E	G	E	E	
Potassium Hydroxyde	E	C	G	E	X	E	G	E	G	G
Potassium Nitrate	E	E	E	E	E	E	E	E	E	E
Potassium Permanganate, 5%										F
Potassium Silicate	E		E			E	E	E	E	E
Potassium Sulfate	E	E	E	E	E	E	E	E	E	E
Potassium Sulfide									E	C
Potassium Sulfite	E	E	E	E		E	E	E	E	E
Prestone Antifreeze		E		E	E					E
Producer Gas	X	G	G	X	E	X	E			E
Propane	X	C	G	X	E	X	X	E		E
Propanediol	E		E			E	E		E	E
Propanetriol										E
Propanol	E		E			E	E	E	E	E
Propanolamine									E	
Propanone										X
Propenol										
Propenediamene										G
Propenenitrile										X
Propenyl Alcohol (Allyl Alcohol)										E
Propenyl Anisole										X
Propionic Acid				E	X			E		C
Propionitrile		G		X	E					E
Propyl Acetate	G	X	X	G	X	X	X	E	E	X
Propyl Alcohol	E	E	E	E	E	E	E	E	E	E
Propyl Aldehyde	E					F		E	E	X

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Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Propyl Benzene									E	
Propyl Chloride	F		X			X	X	G	G	X
Propyl Ether										
Propyl Nitrate	G	X	X	G	X	X	X			X
Propylene	X	X	X	X	X	X	X			X
Propylene Diamine	E		F			G	G		E	G
Propylene Glycol	E		E			E	E		E	E
Pydraul, 'E' Series		X	X	E	X	X	X	E		X
Pydraulic 'C'		X		X	X					X
Quintolubric 822 Series	X	X		X	G	X				
Red Oil	X	G	G	X	E	X	X			E
Refrigerant 11 (Freon 11)		X		X	G					
Refrigerant 12 (Freon 12)		G		X	E					
Refrigerant 22 (Freon 22)		G		X	X					
Resorcinol					X					C
SAE No. 10 Oil		C	X		G					E
Sal Ammoniac	E	E	E	E	E	E	E			E
Sea Water	E	G	E	E	E	E	E	E	E	E
Sewage	F	E	E	F	E	F	F	E	E	E
Silicate Esters	X	E	E	X	G	X	X			G
Silicate Of Soda (Sodium Silicate)	E		E			E	E	E	E	E
Silicone Grease	E	E	E	E	E	E	E			E
Silicone Oil	E	E	E	E	E	E	E			E
Silver Nitrate	E	E	E	E	G	E	E	E		C
Skydrol 500 Type 2		X	X	E	X					X
Skydrol 500B	G	X	X	E						X
Skydrol 500C	G	X	X							X
Skydrol 7000 Type 2		X		E	X					X
Soap Solutions	E	G	E	E	E	G	E	E	E	E
Soda Ash	E	E	E	E	E	E	E	E	E	E
Soda Lime	E		G			E	G	E	E	G
Soda Niter	E		E			E	E	E	E	E
Sodium Acetate	G	G	X	E	G	X	X	E	E	G
Sodium Aluminate	E		E			E	E	E	E	E
Sodium Bicarbonate	E	E	E	E	E	E	E			E
Sodium Bisulfate	F	E	E	E	E	F	F	E	E	E
Sodium Bisulfite	E	E	E	E	E	E	E	C	E	E
Sodium Borate	E	E	E	E	E	E	E	E		E
Sodium Carbonate	E	E	E	E	E	E	E	E	E	E
Sodium Chloride	E	E	E	E	E	E	E	E	E	E
Sodium Cyanide	E	E	E	E	E	E	E	E		E
Sodium Dichromate	E	C	F	E	C	C	C	G	E	E
Sodium Hydrate (Sodium Hydroxide)	E		G			E	G	E	E	X
Sodium Hydrochlorite	G	X	F	G	X	X	X	G	E	F
Sodium Hydroxide (Caustic Soda)	E	G	G	E	X	E	G	E	E	X
Sodium Hypochlorite	G	X	F	G	G	X	X	G	G	C
Sodium Metaphosphate	E	G	G	E	E	E	E	E		E
Sodium Nitrate	E	G	E	E	G	E	E	E	E	C
Sodium Perborate	E	G	G	E	G	G	G	E		C
Sodium Peroxide	E	G	G	E	G	G	G	E		C
Sodium Phosphate	E	G	E	E	E	E	E	E		E
Sodium Silicate	E	E	E	E	E	E	E	E	E	E
Sodium Sulfate	E	E	E	E	E	E	E	E	E	E
Sodium Sulfide	E	E	E	E	E	E	E	E	E	E

Chemical or Material Conveyed	COMPOUND										
	CIIR	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Sodium Sulfite		E	E	E	E	E	E	E	E	E	E
Sodium Thiosulfate		E	E	E	E	G	E	E	E	E	C
Soybean Oil		E	G	G	C	E	X	X	E	G	E
Stannic Chloride		E	X	E	E	E	E	E	E	E	E
Stannic Sulfide		E		E			E	E	E	E	E
Stannous Chloride		E	E	E	E	E	E	E	E	E	E
Stannous Sulfide		E		E			E	E	E	E	E
Steam, Max. 430° F	E	G	X	X	G	X	X	X	X		X
Stearic Acid		G	G	X	G	G	X	X	E	E	G
Stoddard Solvent		X	G	X	X	E	X	X	E	E	E
Styrene		X	X	X	X	X	X	X	G	G	X
Sulfamic Acid		E	G	G	E	G	G	G	C	F	C
Sulfur		F	X	F	F	X	X	X	X		X
Sulfur Chloride		X	C	G	X	C	X	X	E		C
Sulfur Dioxide		G	X	G	G	X	C	C	C	G	X
Sulfur Trioxide, Dry		G	X	X	G	X	G	G	G		X
Sulfuric Acid 60% (200° F)										G	G
Sulfuric Acid, Conc.		X	X	E	X	X	X	X	E	X	X
Sulfuric Acid, Fuming		X	X	X	X	X	X	X	X	X	X
Sulfuric Acid, 25%		E	X	X	E	X	G	X	E	E	C
Sulfuric Acid, 25%-50%		E	X	X	E	X	G	X	E	G	C
Sulfuric Acid, 50%-96%		X	X	G	X	X	X	X	E	G	X
Sulfurous Acid, 10%		E	X	E	G	X	E	G	E	E	E
Sulfurous Acid, 10%-75%		E	X	E	G	X	E	X	E	E	F
Sutan									E		
T-Butyl Amine				X	G						C
Tall Oil		X	G	X	X	E	X	X	C	E	E
Tallow		X	G	X	X	E	X	X	C	E	E
Tannic Acid		E	G	E	E	E	E	F	C	E	E
Tar		X	G	X	X	X	X	X	X	X	X
Tar Bituminous		X	C	X	X	G	X	X			G
Tartaric Acid		E	G	E	G	E	C	X	C	E	E
Tellone 2									E		
Tertiary Butyl Alcohol		E	G	E	G	G	E	E	E	E	C
Terpineol		C	X	X	C	G	X	X	G		
Tertiary Butyl Amine				X	G						C
Tertiary Butyl Mercaptan		X	X	X	X	X	X	X			X
Test Entry		G	E					X			
Test Entry 1											
Tetrachlorobenzene		X		X			X	X	G	G	X
Tetrachloroethane		X		X			X	X	E	G	X
Tetrachloroethylene		X	X	X	X	X	X	X	E	E	C
Tetrachloromethane		X		X			X	X	E	E	X
Tetrachloronaphthalene		X		X			X	X	G	G	X
Tetraethylene Glycol		E		E			E	E		E	E
Tetraethylorthosilicate											E
Tetrahydrofuran (THF)		X	X	X	X	X	X	X	C	G	X
Tin Chloride		E		E			E	E	E	E	E
Titanium Tetrachloride		X	X	X	X	G	X	X		G	C
Toluene		E	X	X	X	X	X	X	G	E	X
Toluidine										F	C
Toluol (Toluene)										E	X
Transformer Oil		X	G	C	X	E	X	X		F	C
Transmission 'A' Oil		X	G	X	X	E	X	X	F	G	E

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Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Tri(2-Hydroxyethyl) Amine (Triethanolamine)									E	G
Tributyl Phosphate	E	X	X	G	X	X	X	E	E	F
Tributylamine	E	G	F			G	G		E	G
Trichloroacetic Acid	G	X	X	G	G	C	G	E		C
Trichlorobenzene	X		X			X	X	G	G	C
Trichloroethane	X	X	X	X	X	X	X	G	E	X
Trichloroethylene	X	X	X	X	X	X	X	G	F	X
Trichloromethane (Benzotrichloride)										X
Trichlorotoluene										X
Tricresyl Phosphate	E	X	X	X	X	X	X	E	E	X
Triethanolamine	E	G	G	G	C	E	X	E	E	C
Triethylamine	E		F			G	G		E	E
Triethylene Glycol	E		E			E	E		E	C
Trihydroxybenzoic Acid										C
Trimethyl Pentane (Mixed)										E
Trimethyl Pentene										
Trimethylamine								E		C
Trisodium Phosphate	E	E	E	E	E	E	E	E	E	E
Tritoyl Phosphate										X
Tung Oil		G								E
Tung Oil (China Oil)	C	G	C	X	E	X	X	E		E
Turpentine	X	X	X	X	X	X	X	G	E	E
Unsymetrical Dimethyl Hydrazine (UDMH)		G	E	E	G	E	E			C
Undecyl Alcohol										E
Urea (Carbammide)	E	E						E	E	G
Urethane Formulations					E					
Uric Acid										C
Varnish	X	X	X	X	G	X	X			G
Vegetable Oils	E	C	X	C	E	X	X	E		E
Versilube F44					E					E
Versilube F55				X	E					E
Vinegar (Acetic Acid)	E	F	F	E	X	E	F	X		G
Vinegar Acid (Vinegar)										
Vinyl Acetate	G		X			X	X	E	E	C
Vinyl Benzene	X		X			X	X	G	E	C
Vinyl Chloride	X	X	X	X	X	X	X	E	E	X
Vinyl Cyanide										X
Vinyl Ether (Divinyl Ether)	G		X			X	X	E	E	G
Vinyl Styrene										
Vinyl Toluene	X		X			X	X	E	E	X
Vinyl Trichloride (Trichloroethane)	X		X			X	X	E	E	X
Vital, 4300, 5310				X	X					
VM & Naphtha	X	F	X	X	E	X	X	X	E	G
Water	E	G	E	E	E	E	F	E	E	E
Water, Boiling		E		E						G
Water, Soda										
Wemco C	X	G	X	X	E	X	X			E
Whiskey	E	E	E	E	E	E	E	X		E
White Oil	X	E	X	X	E	X	X	X	E	E
White Pine Oil	X	X	X	X	G	X	X			C
Wines	E	E	E	E	E	E	E	X		E

Chemical or Material Conveyed	COMPOUND									
	IIR	CR	CSM	EPDM	NBR	NR	SBR	XLPE	UHMWPE	T629AA
Wood Alcohol (Methanol)	E	E	E	E	E	E	E	E	E	C
Wood Oil	X	G	C	X	E	X	X	E		E
Xenon	E	E	E	E	E	E	E			E
Xylene, Xylon	X	X	X	X	X	X	X	G	G	X
Xylidine	X	C	X	G	C	C	C	G	G	C
Zeolites	E	E	E	E	E	E	E			E
Zinc Acetate	E	E	E	E	E	E	X			G
Zinc Carbonate	E		E			E	E	E	E	E
Zinc Chloride	E	E	E	E	E	E	E	E	E	E
Zinc Chromate	E		F					G	E	C
Zinc Sulfate	E	E	E	E	E	E	E	E	E	E
O-Aminotoluene (O-Methylaniline)										X
1 Undecanol	E		E			E	E	E	G	E
1-Amino-2-Propanol (Isopropanolamine)										C
1-Aminobutane (Butylamine)										C
1-Aminopentane (Amylamine)										F
1-Bromo-2-Methyl Propane (Isobutyl Bromide)										X
1-Bromo-3-Methyl Butane (Isoamyl Bromide)										X
1-Bromobutane (N-Butyl Bromide)										X
1-Chloro-2-Methyl Propane (Isobutyl Chloride)										X
1-Chloro-3-Methyl Butane (Isoamyl Chloride)										X
1-Decanol	E		E			E	E	E	E	E
1-Hendecanol (Undecanol)										E
1,4-Dioxane	G	X	X	E		X	X	E		X
2 (2Aminoethylamino) Ethanol (N-(Aminoethyl) Ethanolamine)										
2 (2Ethoxyethoxy) Ethanol (Carbitol)										C
2 (2Ethoxyethoxy) Ethyl Acetate (Carbitol Acetate)										X
2-Aminoethanol (Ethanolamine)	E		G			G	G			C
2-Chloro-1-Hydroxy-Benzene (O-Chlorophenol)										X
2-Chlorophenol	X	X	X	X	X	X	X	G	E	X
2-Chloropropane		X	X	X		X	X	E	E	X
2-Ethoxyethanol										C
2-Ethoxyethyl Acetate										X
2-Ethyl (Butyraldehyde)	E		X			X	X	E	E	X
2-Ethyl-1-Hexanol	E	E	E	E	E	E	E	E	E	C
2-Ethylhexanoic Acid (Ethylhexoic Acid)									E	F
2-Ethylhexyl Acetate									E	X
2-Octanone (Methyl Hexyl Ketone)										X
2,4-Di-Sec—Pentylphenol										
3-Bromopropene (Allyl Bromide)										X
3-Chloro-2-Methyl Propane										
3-Chloropropene										C
3-Coal Oil								E		E
4-Hydroxy-4-Methyl-2-Pentanone (Diacetone Alcohol)										X

FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES

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