

RESISTANCE RATING

A	Good Resistance:	Usually suitable for service.
B	Fair Resistance:	Chemical has some deteriorative effects, but the elastomer is still adequate for moderate service.
C	Depends on Condition:	Moderate service may be possible if chemical exposure is limited or infrequent.
D	Not Recommended:	Unsuitable for service.

	Natural Rubber	SBR	Butyl	Nitrile	Neoprene	Hypalon®	EPDM	FKM / Viton®	X-Linked Polyethylene	Modified X-Link	UHMWPE	FEP / Teflon®
Stoddards Solvent	D	D	D	A	C	D	D	A	B	A	A	A
Styrene	D	D	D	D	D	D	D	A	-	-	-	A
Sugar Sols. (Sucrose) Non F.D.A.	A	A	A	A	A	A	A	A	A	A	A	A
Sulfamic Acid	C	C	A	B	B	B	A	C	A	A	A	A
Sulfite Liquors	B	B	A	B	B	A	B	A	A	-	A	A
Sulfonic Acid	D	D	D	D	C	C	D	D	B	-	B	A
Sulfur (Molten)	B	B	A	B	A	A	A	A	C	-	A	A
Sulfur Chloride	D	D	D	C	C	A	D	A	A	B	B	A
Sulfur Dioxide	C	C	C	C	C	A	C	A	A	-	A	A
Sulfur Hexafluoride	A	A	A	A	A	A	A	A	A	A	A	A
Sulfur Trioxide	D	C	C	C	C	B	C	A	B	B	D	A
Sulfuric Acid, 25%	B	B	B	B	A	A	-	A	A	A	A	A
Sulfuric Acid, 25-50%	B	D	A	D	C	A	-	A	A	A	A	A
Sulfuric Acid, Fuming	D	D	D	D	D	D	D	A	D	D	D	A
Sulfurous Acid	C	C	C	C	C	A	C	A	A	A	A	A
Tall Oil	D	D	D	A	B	B	D	A	A	B	A	A
Tallow	D	D	D	A	A	D	D	A	A	A	A	A
Tannic Acid	A	C	A	C	A	A	A	A	A	A	A	A
Tar	D	D	D	C	C	C	D	B	D	A	D	A
Tartaric Acid	A	C	B	C	C	A	B	A	A	A	A	A
Terpineol	D	D	C	D	D	D	C	A	B	A	B	A
Tertiary Butyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A
Tetrachlorobenzene	D	D	D	D	D	D	B	B	-	B	A	A
Tetrachloroethane	D	D	D	D	D	D	A	B	-	B	A	A
Tetrachloroethylene	D	D	D	D	D	D	A	B	B	B	B	A
Tetraethylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A
Tetrachloromethane	D	D	D	C	D	D	D	A	B	B	B	A
Tetrachloronaphthalene	D	D	D	D	D	D	B	B	-	B	A	A
Tetraethyl Lead	D	D	D	B	C	D	D	A	A	B	A	A
Tetrahydrofuran (THF)	D	D	D	D	D	D	D	A	-	A	A	A
Thionyl Chloride	D	D	D	D	D	D	D	B	A	-	A	A
Tin Chloride	A	A	A	A	A	A	A	A	A	A	A	A
Tin Tetrachloride	A	A	A	A	A	A	A	A	A	A	A	A
Titanium Tetrachloride	D	D	D	B	C	C	C	A	A	B	A	A
Toluene (Toluol)	D	D	D	C	D	D	D	A	A	B	C	A
Toluene Diisocyanate (TDI)	C	C	A	C	D	D	A	B	A	-	A	A
Toxaphene	D	D	D	B	B	D	D	A	A	-	A	-
Transformer Oils (Petroleum Base)	D	D	D	A	B	B	D	A	A	A	A	A
Transformer Oils (Chlorinated Phenyl Base Askerels)	D	D	D	D	D	D	D	A	B	B	B	A
Transmission Fluids - A	D	D	D	B	C	D	D	A	A	A	A	A
Transmission Fluids - B	D	D	D	C	D	D	D	A	A	-	A	-
Tricetin	A	B	A	B	B	B	A	D	A	-	A	-
Tributyl Amine	TITAN HOSE NOT AVAILABLE											
Tributyl Phosphate	D	D	B	D	D	D	B	D	A	A	A	A
Trichlorobenzene	D	D	D	D	D	D	D	B	B	B	B	A

	Natural Rubber	SBR	Butyl	Nitrile	Neoprene	Hypalon®	EPDM	FKM / Viton®	X-Linked Polyethylene	Modified X-Link	UHMWPE	FEP / Teflon®
Trichloroethane	D	D	D	D	D	D	D	A	A	B	A	A
Trichloroethylene	D	D	D	D	D	D	D	A	A	A	B	A
Trichloropropane	D	D	D	D	D	D	D	A	A	-	A	A
Tricresyl Phosphate (TCP)	D	D	A	D	D	D	B	B	A	-	A	A
Triethanolamine (TEA)	TITAN HOSE NOT AVAILABLE											
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Triethylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A
Trinitrotoluene (TNT)	D	D	D	D	B	B	D	B	D	-	D	-
Triphenyl Phosphate	D	D	A	D	C	C	B	C	A	-	A	A
Trisodium Phosphate	A	A	A	A	A	A	A	A	A	A	A	A
Tung Oil	D	D	C	A	B	B	D	A	A	B	A	A
Turbine Oil	D	D	D	B	B	B	D	A	A	-	A	-
Turpentine	D	D	D	B	D	D	D	A	A	-	B	A
2,4D with 10% Fuel Oil	D	D	D	A	A	D	D	A	A	-	A	-
Ucon Hydrolube Oils	D	D	A	A	B	D	A	A	A	A	A	A
Undecanol	A	A	A	A	A	A	A	B	A	A	A	A
Unsymmetrical Dimethyl-Hydrazine (UDMH)	D	D	A	D	D	A	A	D	C	-	C	-
Uran	B	C	B	B	B	A	B	C	A	-	A	-
Urea	TITAN HOSE NOT AVAILABLE											
Varnish	D	D	D	B	B	C	D	A	A	B	A	A
Vegetable Oils	D	D	A	A	B	B	A	A	A	-	A	A
Versilube	C	C	A	A	C	A	A	A	A	-	A	A
Vinegar	C	C	A	C	C	A	A	A	A	A	A	A
Vinyl Acetate	D	D	A	D	D	D	B	A	B	A	A	A
Vinyl Benzene	D	D	D	D	D	D	D	A	B	-	B	A
Vinyl Chloride (Monomer)	C	D	D	D	D	D	D	A	A	B	A	A
Vinyl Ether	D	D	D	D	D	C	C	D	A	-	A	-
Vinyl Toluene	D	D	D	D	D	D	D	A	B	-	B	A
Vinyl Trichloride	D	D	D	D	D	D	D	A	A	B	A	A
V.M. & P. Naptha	D	D	D	A	A	D	D	A	A	A	A	A
Water, Fresh (non F.D.A.)	A	A	A	A	C	A	A	A	A	A	A	A
Water, Salt	A	B	A	B	A	B	A	A	A	A	A	A
Whiskey, Wines	FDA TUBE REQUIRED											
White Liquor	A	A	B	A	A	A	C	A	A	-	A	-
White Oil	D	D	D	A	B	D	D	A	A	-	A	A
Wood Alcohol (Methanol)	A	A	A	A	A	A	A	D	A	A	A	A
Xylene (Xy101)	D	D	D	C	D	D	D	A	A	-	C	A
Xylidine	D	D	D	D	D	D	D	C	B	B	B	A
Zeolites	B	A	C	C	A	A	A	A	A	-	A	-
Zinc Acetate	C	D	A	C	C	C	B	D	A	A	A	A
Zinc Carbonate	A	A	A	A	A	A	A	A	A	A	A	A
Zinc Chloride	C	C	A	C	C	A	A	A	A	A	A	A
Zinc Chromate	A	C	A	A	A	C	A	A	B	A	B	A
Zinc Sulfate	A	A	A	A	A	A	A	A	A	A	A	A

These charts are offered as a guideline only. If there is any question about the resistance of a listed elastomer, please