

	NATURAL RUBBER		SBR	BUTYL	NITRILE	NEOPRENE	HYPALON	EPDM	EPICHLOROHYDRIN	VITON	CROSSLINKED POLYETHYLENE	CPE	UHMW
Uran	B	C	B	B	B	A	B	B	C	A		A	
Urea	A	C	A	C	A	C	A	C	C	A	A	A	
Varnish	D	D	D	B	B	C	D	B	A	A		A	
Vegetable Oils	D	D	A	A	B	B	A	A	A	A	A	A	
Versilube	C	C	A	A	C	A	A	A	A	A	A	A	
Vinegar	A	C	A	C	A	A	B	C	B	A	A	A	
Vinyl Acetate	D	D	A	D	D	C	C	D	D	B	A	D	
Vinyl Benzene	D	D	D	D	D	D	D	D	A	B	C	B	
Vinyl Chloride (Monomer)	C	D	D	D	D	D	D	D	A	A		A	
Vinyl Ether	D	D	D	D	D	C	C	D	D	A		A	
Vinyl Toluene	D	D	D	D	D	D	D	D	A	B	C	B	
Vinyl Trichloride	D	D	D	D	D	D	D	D	A	A	C	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	A	A	A	A	A	A	A	A	
Water, Salt	A	A	A	B	A	A	A	C	A	A	A	A	
Whiskey, Wines	(F.D.A Tube Required)											2	
White Liquor	A	A	B	A	A	A	C	A	A	A		A	
White Oil	D	D	D	A	B	D	D	A	A	A	A	A	
Wood Alcohol (Methanol)	A	A	A	A	A	A	A	A	D	A	A	A	
Xylene (Xylol)	D	D	D	D	D	D	D	D	A	C	D	C	
Xylidine	D	D	D	D	D	D	D	D	C	B	C	B	
Zeolites	B	A	C	C	A	A	A	A	A	A	A	A	
Zinc Acetate	C	D	A	C	C	C	B	C	D	A		A	
Zinc Carbonate	A	A	A	A	A	A	A	A	A	A	A	A	
Zinc Chloride	A	A	A	A	A	A	B	B	A	A	D	A	
Zinc Chromate	A	C	A	A	A	C	A	A	A	B		B	
Zinc Sulfate	A	A	A	A	A	A	A	A	A	A	D	A	

These ratings are to be used only as a guide.

WARNING

HBD/Thermoid, Inc. recommends a hose product for its normal service as outlined in the price pages and our catalogs. Other applications should be referred to your respective marketing representative.

In any application there may be an inherent risk of bodily injury or property damage and user is responsible for proper use and implementation of adequate safety precautions. It is the responsibility of the buyer to advise user of proper instructions for safe use and/or precautions, proper coupling procedure and to warn user of consequences of failure to heed such instruction. Should a hose assembly fail during use with pressure, injurious and/or damaging chemicals, elevated temperature materials, explosives, or flammable materials, then serious bodily injury or destruction of property could result from impelled couplings, whipping hose, high pressure or high velocity discharge, chemical contact, high temperature materials, explosion, or fire.

In known high risk areas, it is recommended that hose inspections be performed at frequent intervals related to risk factor. Hose with obvious damage should be scrapped or tested before placing in use. These inspections should include tube condition, cover condition, leaking or slipped couplings, and proof test.

We have attempted to list some of the standard references below. This is a limited list, for specific details see standard itself.

1. Federal Coast Guard Regulation on Dock Hose—Federal Register 12-21-72, Vol. 37, No. 346, Part II, Section 154.500, 155.800, 156.170.
2. NFPA 196 Standard for Fire Hose.
3. NFPA 198 Care and Maintenance of Fire Hose.
4. NFPA 407 Care and Maintenance of Aircraft Refueling.
5. RMA—Storage, Care, Maintenance.
 - a. General
 - b. OS&D
 - c. LPG
 - d. Aircraft Ground Refueling
 - e. Motor Vehicle
 - f. Anhydrous Ammonia
 - g. Welding Hose
 - h. Steam
6. RMA—Industry Hose Specs.
 - a. Hydraulic Hose
 - b. RMA-CGA Welding
 - c. RMA-ANI Anhydrous Ammonia
 - d. RMA-LPG
 - e. OS&D
 - f. 300, 400, 600# Fire Hose
7. ASTM-296 Fire Hose Spec.

WARNING

Listing of hose products for conveying materials as mentioned in these charts is provided as a guide only. Materials not described or those outside of described conditions should be referred to your respective marketing or technical representative.

Blank spaces indicate unsatisfactory use.

Many materials listed here should be recognized by the buyer as hazardous due to their acidic, caustic, flammable or explosive characteristics, and proper precautions must be employed to assure safe use. It is the user's exclusive responsibility to develop appropriate techniques for the safe use of the hose product. Failure to take proper precautions could lead to serious bodily injury or property damage.

CAUTION

Product descriptions and specifications for products become dated. All product literature and information is subject to change, including the specifications outlined in this publication. For questions concerning any technical and/or product application information on the hose products contained in this catalog, please contact HBD/Thermoid, Inc. Customer Service Department at or log onto .