

CHEMICAL RESISTANCE TABLE

Ratings	1 Excellent
	2 Good Resistance
	3 Testing recommended
	— Data not available
	x Not recommended

Hoses used for gaseous application shall have perforated cover

Chemical Name	Hose Polymer					
	Nitrile	PVC NBR	SBR	CPE	EPDM	CR
Acetic Acid 5-25%	2	2		1		1
Acetic Acid 50%	x	2		1		2
Acetic Acid Boiling	x	x	x	x		x
Alcohol Ethyl	1	1	1	1		1
Alcohol Methyl	1	1	1	1		1
Alcohol Isopropyl (Isopropanol)	2	2	2	2		2
Ammonium Hydroxide - dilute		1				2
Ammonium Hydroxide - concentrated	x	x		1		2
Animal Oil	1	1		1		2
Aniline	1	1		1		x
Antifreeze alcohol base	2	2		2		2
Antifreeze glycol base	1	1		1		2
Aqua Regia	x	x		2		x
ASTM Oil No 1 (IRM Oil No 1)	1	1		1		1
ASTM Oil No 2 (IRM Oil No 2)	1	1		1		1
ASTM Oil No 3 (IRM Oil No 3)	1	1		1		2
ASTM Ref fuel A	1	1		1		2
ASTM Ref fuel B	1	1		2		2
ASTM Ref fuel C	2	2		x		x
Brake Fluid petroleum base		1		1		2
Brake Fluid synthetic base	x	x		1		x
Benzaldehyde	x	x		2		x
Benzene	x	x		x		x
Benzine	x	x		x		x
Butyle Acetate	x	x		2		x
Calcium Chloride	1	1		1		1
Calcium Carbonate	2	2		1		
Calcium Hydroxide	2	2		1		1
Calcium Hydroxide 50%						
Calcium Nitrate	1	1		1		1
Carbon Tetrachloride						
Carbon Dioxide	1			1		1
Castor Oil	2			1		x
Carbon Disulfide	x	x		x		x
Caustic Soda 20 %	2			1		2
Caustic Soda 50%	2			1		2
Chlorine Water 25 %	x	x		x		x
Chlorobenzene	x	x		x		x
Chloroform	x	x		x		x
Chromic Acid 50%	x	x		x		x
Coal Tar	2	2		2		x
Corn Oil	2	2		2		2
Cottonseed Oil	1	1		2		x
Creosote	2	2		x		x
Cutting Oil water soluble	1	1		1		2
Cyclohexane	2	2		x		x
Cyclohexanone	x	x		x		

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0						
Decalin	2	2	x	2	x	x
Developing Fluid - Hypo				1	x	2
Dibutyl Phthalate	x	x	x	2	x	x
Diesel Fuel	2	1	x	2	x	2
Diethyl Amine	2	2	x	2	x	x
Diethylene Glycol	1	1	1	1	1	1
Dimethyl Formamide	x	x	x	x	x	x
Dioctyle Phthalate	x	x	x	x	x	x
Dioctyle Sebacate	x	x	x	x	x	x
E						
Ethyle Acetate	x	x	x	x	x	x
Ethyle Acetoacetate	x	x	x	x	x	x
Ethylene Dichloride	x	x	x	x	x	x
Ethylene Glycol	1	1	1	1	1	1
Ethyl Alcohol	1	1	1	1	1	1
Esters	x	x	x	x	x	x
F						
Ferric Chloride 5% agitated	2	2	x	2	x	2
Ferric Chloride 10 %	1	1	x	2	x	x
Ferrous Sulphate 10%	2	2	x	2	x	x
Formaldehyde	x	x	x	x	x	x
Formic Acid	x	x	x	x	x	x
Freon 12	use A.C.	hose only	x	x	x	x
Freon 134 a	use A.C.	hose only	x	x	x	x
G						
Gas Natural	x	x	x	x	x	x
Gasohol	2	2	x	x	x	2
Gasoline Aviation	2	2	x	x	x	x
Glycol FR Fluids	1	1	x	x	x	x
Glycerene	1	1	1	1	1	1
H						
Heptane	1	1	x	1	x	x
Hexane	1	1	x	1	x	x
Hydraulic Fluids std petroleum base	1	1	x	1	x	2
Hydraulic Fluids water - glycol base	1	1	1	1	1	1
Hydrochloric Acid - dilute	x	x	x	2	x	2
Hydrochloric Acid - concentrated 37 %	x	x	x	1	x	x
Hydrogen	1	1	1	1	1	1
Hydrogen Peroxide - dilute 30 %	2	x	x	1	x	x
Hypoid Gas	1	1	x	x	x	x
I						
Ink	1	1	x	2	x	x
Insulating Oil (Transformer Oil)	1	1	x	2	x	2
Iso Octane	1	1	x	1	x	2
Is° Propyl Alcohol	2	2	3	1	1	1

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Chemical Name	Hose Polymer					
	Nitrite	PVC NBR	SBR	CPE	EPDM	CR
K						
Kerosene	1	1	x	1	x	2
Ketones	x	x	x	x	x	x
Methylene Dichloride	x	x	x	x	x	x
Methyl Isobutyl Ketone (MIBK)	x	x	x	2	x	x
Motor Oil	1	1	x	2	x	2
Mineral Oil	1	1	x	2	x	2
L						
Lactic Acid	x	x	x	1	x	1
Light Grease	1	1	x		x	x
Lecithin	x	x	x	x	x	2
Linseed Oil	1	1	x	x	x	x
Lubricating Oil (SAE 10,20,30,40,50)	1	1	x	2	x	3
M						
Mahine Oil	1	1	x	3	x	x
Magnesium Hydroxide	2	2	x	1	2	1
Methanol / Methyl Alcohol	1	1	1	1	1	1
Methyl Acetate	x	x	x	x	x	x
Methyl Acrylate	x	x	x	x	x	x
Methyl Ethyl ketone (MEK)	x	x	x	2	x	x
Methylene Dichloride	x	x	x	x	x	x
Methyl Isobutyl Ketone (MIBK)	x	x	x	2	x	x
N						
Naphtha	x	x	x	x	x	x
Naphthalene (Camphor)	x	x	x	x	x	x
Nickel Plating Solution	2	2	x		x	2
Nitric Acid - dilute	x	x	x	3	x	x
Nitric Acid - concentrated	x	x	x	x	x	x
Nitrogen	1	2	1	1	1	1
Nitromethane	x	x	x	2	x	x
N-Octane	1	2	x	1	x	x
O						
Oil Crude	2	2	x	2	x	x
Oleic Acid	2	2	2	1	2	2
Olive Oil	2	2	x	2	x	x
Oils (SAE upto 95 degree C)	1	1	3	2	x	2
P						
Paint Solvent	x	x	x	x	x	x
Paint Thinner (Ducco)	x	x	x	x	x	x
Palm Oil	1	1	x	2	x	2
Paraffin Oil	1	1	x	2	x	2
Perchloric Acid	x	x	x	x	x	x
Perchloroethylene	x	x	x	x	x	x
Phenol (Carbolic Acid)	x	x	x	2	x	x
Phosphate Ester	x	x	x	2	x	x
Phosphoric Acid - dilute	2	2	x	2	x	2
Phosphoric Acid - concentrated	x	x	x	x	x	x
Phosphoric Acid 50%	x	x	x	2	x	2
Plating Solution Chrome	x	x	x	x	x	x
Plating Solution Nickel	2	-	-		-	
Potassium Hydroxide	2	2	x	3	2	3
Propylene Glycol	1	1	x	1	1	1
Pyridine	x	x	x	x	x	x

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a						
Quench Oil	2	2				
Quinoline	1	2				
R						
Refined Wax	1	1	x	1		2
Rapeseed Oil	1	1	x	1	x	2
S						
Salt water / Sea water	2	2	2	1	1	2
Sewage Water	2	2	2	1	1	1
Silicone Oils	2	2	x	1	1	2
Silicone Grease	2	2	x	2	x	x
Silver Nitrate	1	1	1	1	1	1
Soap Solution	1	1	1	1	1	1
Sodium Chloride - saturated	1	1	1	1	1	1
Sodium Hydroxide - dilute	2	2	1	1	1	1
Sodium Hydroxide 50 %/0 cold	x	x	1	1	1	2
Sodium Thiosulphate (HYPO)	1	1	1	1	1	1
Soyabean Oil	2	2	x		x	3
Starch	2	2				2
Stearic Acid	2	2	2	1	2	2
Stodard Solvent	2	2	x	2	x	3
Styrene	x	x	x	x	x	x
Sulfuric Acid - concentrated	x	x	x	x	x	x
Sulfuric Acid - dilute	2	2	x	1	x	1
Tall Oil	2	2	x	2	x	2
Tar (Bitumenous)	2	2	2	x	x	x
Terpenol	2	2	x	1	x	x
Transformer Oil	1	1	x	2	x	x
Toulene (Toulol)	3	3	x	3	x	x
Turbine Oil	2	2	x	2	x	x
Trichloroethylene	x	x	x	x	x	x
Turpentine	2	2	x	2	x	x
Urea Solution	2	2	2	2	2	2
Varnish	x	x	x	x	x	x
Vegetable Oils	1	1	x	1	x	2
Vinyl Chloride	x	x	x	x	x	x
Vinyl Acetate	x	x	x	x	x	x
Water Mine Acid	1	1	1	1	1	1
Water Salt	1	1	1	1	1	1
Water in Oil Emulsion	1	1	1	1	1	1
X						
Xylene	x	x	x	x	x	x
Z						
Zinc Chloride	1	1	1	1	1	1
Zeolites	1	1	1	1	1	1