



## DS-M CHEMICAL RESISTANT CHART

	HOSES								
	<i>Silicone</i>	<i>Santoprene</i>	<i>Norprene A-60-G</i>	<i>Norprene A-60-F</i>	<i>Tygon LFL</i>	<i>Teknoprene</i>	<i>FKM ( Viton )</i>	<i>STA-PURE</i>	<i>CHEM-SURE</i>
Acetaldehyde	B	A	A	A	D		D	B	A
Acetate LMW		A	A	A	D				
Acetic acid <5%	B	A	A	A	A			B	A
Acetic acid >5%	B	A	A	A	B			B	A
Acetic anhydride	D	A	A	A	D		D	D	A
Acetona	D	D	D	D	D		D	D	A
Acetonitrile		A	A	A	D		D		
Acetyl bromide		D	D	D	D				
Acetyl chloride	C	D	D	D	D		A	C	A
Air	A	A	A	A	A		A	A	A
Aliphatic hydrocarbons		C	C	C	C				
Aluminium chloride	B	A	A	A	A		A	B	A
Aluminium sulfate	A	A	A	A	A		A	A	
Alums		A	A	A	A				
Ammonia, gas and liquid		A	A	A	B		D		
Ammonium acetate		C	C	C	A				A
Ammonium carbonate	C	A	A	A	A			C	A
Ammonium chloride	C	A	A	A	A		A	C	A
Ammonium hydroxide	A	A	A	A	B		A	A	A
Ammonium nitrate	C	A	A	A	A			C	A
Ammonium phosphate	A	A	A	A	A			A	A
Ammonium sulfate	A	A	A	A	A		A	A	A
Amyl acetate	D	A	A	A	D		D	D	B
Amyl alcohol	D	B	B	B	B		A	D	A
Amyl chloride	D	A	A	A	B			D	
Aniline	B	C	C	C	D			B	A
Aniline hydrochloride		C	C	C	D		D		A
Aqua regia(80% HCl,20% H		C	C	C	D				
Aromatic hydrocarbons		D	D	D	D				
Arsenic salts		A	A	A	A				
Barium salts	A	A	A	A	A			A	A
Benzaldehyde		C	C	C	D		D		A



## DS-M CHEMICAL RESISTANT CHART

	HOSES								
	<i>Silicone</i>	<i>Santoprene</i>	<i>Norprene A-60-G</i>	<i>Norprene A-60-F</i>	<i>Tygon LFL</i>	<i>Teknoprene</i>	<i>FKM ( Viton )</i>	<i>STA-PURE</i>	<i>CHEM-SURE</i>
Benzenesulfonic acid	D	D	D	D	B		A	D	A
Bleaching liquors	B	A	A	A	B		A	B	
Boric acid	A	A	A	A	A		A	A	A
Bromine	D	A	A	A	A		A	D	
Butane	D	C	C	C	B		A	D	B
Butanol(butyl alcohol)	B	C	C	C	B		A	B	A
Butyl acetate	D	D	D	D	D		D	D	B
Butyric acid	D	A	A	A	D			D	A
Calcium oxide	A	A	A	A	A			A	
Calcium salts	B	A	A	A	A			B	A
Carbon bisulfide		D	D	D	D				
Carbon dioxide	B	A	A	A	A		A	B	A
Carbon tetrachloride	D	D	D	D	D		A	D	B
Chlorine, dry	D	D	D	D	A		A	D	
Chlorine, wet	D	D	D	D	B		B	D	
Chloroacetic acid		A	A	A	D		D		B
Chlorobenzene	D	D	D	D	D		A	D	A
Chlorobromomethane	D	B	B	B	D		A	D	
Chloroform	D	D	D	D	D		A	D	B
Chlorosulfonic acid	D	D	D	D	B		D	D	A
Chromic acid, 30%	D	A	A	A	A		A	D	
Chromium salts		A	A	A	A				
Cooper salts	A	A	A	A	A			A	
Cresol		C	C	C	D		A		
Cyclohexane	D	D	D	D	D		A	D	B
Cyclohexanone	D	D	D	D	D		D	D	
Diacetone alcohol		A	A	A	D				A
Dimethyl formamide		D	D	D	D		D		A
Essential oils	C	A	A	A	B			C	
Ethanol (ethyl alcohol)	B	C	C	C	B		A	B	A
Ether	D	D	D	D	D			D	
Ethyl acetate	D	C	C	C	D		D	D	A



## DS-M CHEMICAL RESISTANT CHART

	HOSES								
	<i>Silicone</i>	<i>Santoprene</i>	<i>Norprene A-60-G</i>	<i>Norprene A-60-F</i>	<i>Tygon LFL</i>	<i>Teknoprene</i>	<i>FKM ( Viton )</i>	<i>STA-PURE</i>	<i>CHEM-SURE</i>
Ethyl bromide	D	D	D	D	D			D	
Ethyl chloride	D	D	D	D	D		A	D	
Ethylamine	C	D	D	D	D			C	A
Ethylene chlorohydrin	C	D	D	D	D		A	C	
Ethykene dichloride	D	D	D	D	D		B	D	B
Ethylene glycol	A	A	A	A	B		A	A	A
Ethylene oxide	D	B	B	B	B		D	D	B
Fatty acids	C	A	A	A	A		A	C	A
Ferric chloride	B	A	A	A	A		B	B	
Ferric sulfate	C	A	A	A	A		A	C	A
Ferrous chloride	C	A	A	A	A			C	
Ferrous sulfate	C	A	A	A	A			C	A
Fluoboric acid	A	A	A	A	A			A	
Fluoroborate salts		A	A	A	A				
Fluosilicic acid		A	A	A	A				
Formaldehyde	B	A	A	A	B		D	B	A
Formic acid	C	A	A	A	B		D	C	A
Freon TMS		D	D	D	D				D
Gasoline, high-aromatic	D	D	D	D	D		A	D	B
Gasoline, nonaromatic	D	D	D	D	D		A	D	B
Glucose	A	A	A	A	A		A	A	A
Glue, P.V.A.	A	A	A	A	A		A	A	
Glycerin	A	A	A	A	A		A	A	
Hydriodic acid		D	D	D	A				
Hydrobromic acid 30%	D	B	B	B	A		A	D	
Hydrochloric acid (conc)	D				A		B	D	A
Hydrochloric acid (dil)	D	A	A	A	A		A	D	A
Hydrochloric acid (med)	D				A		B	D	A
Hydrocyanic acid	C	A	A	A	A		A	C	A
Hydrocyanic acid,gas,10%	C	A	A	A	A		A	C	
Hydrofluoric acid, 50%	D				C		A	D	C
Hydrofluoric acid, 75%	D				D		B	D	C



## DS-M CHEMICAL RESISTANT CHART

	HOSES								
	<i>Silicone</i>	<i>Santoprene</i>	<i>Norprene A-60-G</i>	<i>Norprene A-60-F</i>	<i>Tygon LFL</i>	<i>Teknoprene</i>	<i>FKM ( Viton )</i>	<i>STA-PURE</i>	<i>CHEM-SURE</i>
Hydrogen peroxide(dill)	A	A	A	A	A		A	A	A
Hydrogen peroxide, 90%	C	A	A	A	D			C	A
Hypochlorous acid	D	A	A	A	A		A	D	A
Iodine solutions	C	A	A	A	A			C	
Iodoform									
Kerosene	D	D	D	D	D		A	D	A
Ketones		D	D	D	D				
Lacquer solvents	D	D	D	D	D		D	D	
Lactic acid	A	A	A	A	A		A	A	
Lead acetate	D	A	A	A	B			D	
Linseed oil		A	A	A	A		A		A
Lithium hydroxide	D	B	B	B	A			D	
Magnesium chloride	A	A	A	A	A		A	A	A
Magnesium sulfate	A				A		A	A	A
Malic acid	B	A	A	A	A		A	B	A
Manganese salts	B	A	A	A	A			B	
Mercury salts		A	A	A	A				
Methane		A	A	A	A		A		B
Methanol(methyl alcohol)	A	D	D	D	C		D	A	A
Methyl chloride	D	D	D	D	D		A	D	B
Methyl ethyl ketone(MEK)	D	C	C	C	D		D	D	B
Mixed acid(40%H <sub>2</sub> SO <sub>4</sub> )		B	B	B	B				
Molybdenum disulfide									
Monoethanolamine	B	B	B	B			D	B	
Naphtha	D	D	D	D	B		A	D	B
Natural gas		A	A	A	A				B
Nickel salts	A	A	A	A	A			A	A
Nitric acid (conc)	D	D	D	D	D			D	A
Nitric acid (dil)	C	A	A	A	A		A	C	A
Nitric acid (med)	D	C	C	C	A		A	D	A
Nitrobenzene	D	D	D	D	D			D	A
Nitrogen oxides	D	A	A	A	A			D	



## DS-M CHEMICAL RESISTANT CHART

	HOSES								
	<i>Silicone</i>	<i>Santoprene</i>	<i>Norprene A-60-G</i>	<i>Norprene A-60-F</i>	<i>Tygon LFL</i>	<i>Teknoprene</i>	<i>FKM ( Viton )</i>	<i>STA-PURE</i>	<i>CHEM-SURE</i>
Nitrous acid		A	A	A	A				
Oils animal		A	A	A	D				
Oils mineral	D	D	D	D	D		A	D	
Oils, vegetable	A	A	A	A	B			A	A
Oleic acid	D	C	C	C	D		B	D	A
Oxalic acid, cold	B	A	A	A	A		A	B	A
Oxygen gas	B	A	A	A	A			B	A
Palmitic acid	D						A	D	A
Perchloric acid	D	D	D	D	D		A	D	A
Perchloroethylene		D	D	D	D		A		B
Phenol(carbonic acid)	D				B			D	A
Phosphoric acid, 50%		A	A	A	A		A		A
Phthalic acid	B	A	A	A	A			B	
Plating solutions	D	A	A	A	A		A	D	
Polyglycol	A	B	B	B	A			A	
Potassium carbonate		B	B	B	A				A
Potassium chlorate	B	B	B	B	A			B	A
Potassium hydroxide (conc)	C	A	A	A	D		B	C	B
Potassium hydroxide(med)	B	A	A	A	B		B	B	A
Potassium iodide		B	B	B	A				
Propanol(propyl alcohol)	A	C	C	C	D		B	A	A
Pyridine	D	C	C	C	D		D	D	A
Silicone fluids		A	A	A	B				
Silicone oils		A	A	A	B		A		
Silver nitrate	A	A	A	A	A		A	A	A
Soap solutions	B	A	A	A	A		A	B	A
Sodium bicarbonate	A	A	A	A	A		A	A	A
Sodium Bisulfate		A	A	A	A				A
Sodium bislfite	A	A	A	A	A		A	A	A
Sodium borate	A	A	A	A	A		A	A	
Sodium carbonate	A	A	A	A	A		B	A	A
Sodium chlorate	C	A	A	A	B			C	



## DS-M CHEMICAL RESISTANT CHART

	HOSES								
	<i>Silicone</i>	<i>Santoprene</i>	<i>Norprene A-60-G</i>	<i>Norprene A-60-F</i>	<i>Tygon LFL</i>	<i>Teknoprene</i>	<i>FKM ( Viton )</i>	<i>STA-PURE</i>	<i>CHEM-SURE</i>
Sodium chloride	B	A	A	A	A		A	B	A
Sodium ferrocyanide		A	A	A	B				
Sodium hydrosulfite		B	B	B	A				
Sodium hydroxide (conc)					B		B		
Sodium hydroxide (dill)	A	A	A	A	A		B	A	A
Sodium hydroxide, 25%	B	C	C	C	B		B	B	
Sodium hypochlorite, <5%	B	B	B	B	B		A	B	A
Sodium Hypochlorite, >5%	B	C	C	C	B		B	B	A
Sodium nitrate	D	B	B	B	A			D	
Sodium silicate	A	A	A	A	A		A	A	A
Sodium sulfide	A	A	A	A	B			A	A
Sodium sulfite	A	A	A	A	A			A	A
Steam, up to 40 psi	A	C	C	C	D		B	A	A
Stearic acid	B	A	A	A	A			B	A
Styrene		D	D	D	D		A		A
Sulfuric acid (conc)	D	A	A	A	D		A	D	C
Sulfuric acid (dill)	D	A	A	A	A		A	D	A
Sulfuric acid (med)	D	A	A	A	A		A	D	B
Sulfurous acid	D	A	A	A	A		A	D	
Tannic acid	B	A	A	A	A			B	
Tanning liquors		A	A	A	A				
Tartaric acid	A				A		A	A	A
Tin salts	B	B	B	B	A			B	
Toluene (toluol)	D	D	D	D	D		A	D	A
Trichloroacetic acid	D	D	D	D	B		C	D	
Trichloroethylene	D	D	D	D	D		A	D	B
Trisodium phosphate		A	A	A	A		A		
Turpentine	D	C	C	C	B		A	D	A
Urea	B	A	A	A	A			B	A
Uric acid		A	A	A	A				
Water fresh	B	A	A	A	A		A	B	A
Water salt	A	A	A	A	A		A	A	A



## DS-M CHEMICAL RESISTANT CHART

	HOSES								
	<i>Silicone</i>	<i>Santoprene</i>	<i>Norprene A-60-G</i>	<i>Norprene A-60-F</i>	<i>Tygon LFL</i>	<i>Teknoprene</i>	<i>FKM ( Viton )</i>	<i>STA-PURE</i>	<i>CHEM-SURE</i>
<b>Xylene</b>	D	D	D	D	D		A	D	A
<b>Zinc chloride</b>	B	B	B	B	A		A	B	A