#### **HOSE SELECTION BY FLUID - 100R1/2/13/16/17**

Please refer to this chemical resistance table to select hose by fluid. It is intended as a guide only and is not a guarantee. Final selection of the proper hose type, seal, or material of metal components is further dependent on many factors including pressure, fluid, and ambient temperature.

#### 1. Resistance Rating Key

- = Excellent (Inner tube has little or no damage)
- = Good (Inner tube has some damage, but useful)
- = Not recommended
- = Unsatisfactory

#### 2. Hose Types

1) NBR (type I ) 100R1, 100R2, 100R16, 100R6

2) NBR (type II) 100R13

3) NR/SBR COMPRESSOR HOSE

4) EPDM HEATER HOSE, STEAM HOSE

5) TPC-ET 100R17 HYBRID 6) UHMW NOT STOCKED

7) NYLON PAINT SPRAY HOSE



#### **HOSE SELECTION BY FLUID** Hose Polymer Chemical Name **NBR** NBR NR / SBR **EPDM** TPC-ET **UHMW** NYLON (type I) (type II) Acetic Acid (10%) Acetic Acid (100%) Acetone Acetylene Alcohol (Ethyl) Alcohol (Methyl) Ammonia Gas (cold) Ammonia Gas (hot) Ammonia Liquid Ammonium Chloride Aniline Asphalt ASTM Fuel A ASTM Fuel B ASTM Fuel C ASTM Oil No.1 ASTM Oil No.2 ASTM Oil No.3 Automatic transmission fluid В Beer Benzene Butane C Calcium Chloride Carbon Dioxide Carbon Monoxide Carbon Tetrachloride



HOSE SELECTION BY FLUID							
Chemical Name	Hose Polymer						
	NBR (type I)	NBR (type Ⅱ)	NR / SBR	EPDM	TPC-ET	UHMW	NYLON
С							
Chlorine Gas	•	•	•	•	•		
Chloroform	•	•	•	•	•		•
Coal Oil	•	•	•	•		•	<u> </u>
Coal Tar	•	•	•	•	•	•	
Cresols	•	•	•	•	•	•	•
D							
Diesel fuel	•	•	•	•	•		
E							
Ethers	•	•	•	•	•	•	
Ethlene Glycol		•		•	•	•	•
F							
Formaldehyde	•	•		•	•	•	•
Formalin				•			
Formic Acid	•	•	•		•	•	•
Freon 12	•	•			•		
Freon 22	•	•			•	•	•
Freon 113	•	•	•	•	•	•	•
Fuel A (ASTM)	•	•	•		•		•
Fuel B (ASTM)	•	•	•	•	•		
Fuel C (ASTM)				•			•
Fuel Oil	•	•	•	•	•	•	•
G							
Gas (Natural)	•	•	•	•	•	•	•
Glycerine	•	•			•	•	
Grease	•	•	•	•	•	•	•
Н							
Heptane	•	•	•	•	•	•	•
Hexane	•	•	•	•	•	•	
Hydraulic Fluid (Petroleum base)	•	•	•	•	•	•	•



HOSE SELECTION BY FLUID							
	Hose Polymer						
Chemical Name	NBR (type I)	NBR (type II)	NR / SBR	EPDM	TPC-ET	UHMW	NYLON
Н							
Hydraulic Fluid (Water glycol base)	•	•	•			•	
Hydraulic Fluid (Phosphate ester base)		•	•	•		•	
Hydrogen	•	•	•	•	•	•	•
I							
Isooctane	•	•	•	•	•	•	•
К							
Ketons	•	•	•	•	•	•	•
L							
Lacquer Solvents	•	•	•	•	•	•	•
Liquid Petroleum Gas		•	•	•		•	
М							
Mercury	•	•	•	•	•	•	•
Methyl Ethyl Ketone	•	•	•	•	•	•	•
N							
Naphtha		•	•	•	•	•	•
Nitric Acid (up to 25%)	•	•	•	•	•	•	•
Nitrobenzene	•	•	•	•	•	<u> </u>	0
Nitrogen	•	•	•	•	•	•	
0							
Oleic Acid	•	•	•	•	•	•	•
Oxygen	•	•	•	•	•	•	•
Ozone	•	•	•	•	•	•	•
P							
Petroleum Oil	•	•	•	•	•	•	
Phenol	•	•	•		•	0	•
Phospahte Esters	•	•	•	•	•		•
Propane	•	•	•	•		•	
S							
Sea Water	•	•	•	0	•	•	•
Soap Solutions	•	•	•	•	•	•	•



HOSE SELECTION BY FLUID							
	Hose Polymer						
Chemical Name	NBR (type I)	NBR (type Ⅱ)	NR / SBR	EPDM	TPC-ET	UHMW	NYLON
S							
Sodium Carbonate		•	•	•		•	•
Sodium Chloride	•	•	•	•	•	•	•
Sodium Hydroxide	•	•	•				
Steam	•	•	•	•	•		
Sulfur						•	
Sulfuric Acid	•	•	•	•	•	•	
Т							
Toluene	•	•	•	•		•	•
Trichloroethylene	•	•	•	•	•		
V							
Vinegar				•		•	
W							
Water	•	•	•	•	•	•	•
Х							
Xylene	•	•	•	•	•	-	•

