Chemical Resistance Guide

Key: 1- GOOD RESISTANCE 2 - FAIR RESISTANCE 3 - POOR RESISTANCE - NO DATA

Transferred Material (@ 68°F)	Hose Material Construction						
	Neoprene	PP	PVC	Silicone	TPR	TPU (Ester)	TPU (Ether)
Acetic Acid (30%)	2	1	1	1	1	3	-
Acetone	2	1	3	-	1	2	3
Acetylene	2	-	1	1	-	1	-
Aniline (Aminobenzene)	3	1	2	-	1	3	-
Benzene	3	3	3	3	3	2	3
Boric Acid	3	1	1	1	1	3	1
Bromine	3	3	3	3	-	3	-
Butane	1	-	-	3	1	1	-
Calcium Chloride	-	1	1	1	1	2	1
Carbon Dioxide	1	-	-	1	1	-	1
Carbon Monoxide	1	-	1	1	1	1	1
Carbon Tetrachloride	3	3	3	3	-	2	3
Chlorine, Dry	2	3	2	-	3	3	-
Chlorine, Wet	3	3	3	-	3	3	-
Chloroform (Trichloromethane)	3	-	3	3	3	3	-
Chromic Acid (25%)	3	3	-	2	-	3	3
Citric Acid	1	1	1	1	1	3	1
Diethylene Glycol	1	-	1	1	-	-	-
Ethyl Alcohol (Ethanol)	1	1	1	1	1	-	2
Ethyl Chloride	2	-	3	3	3	3	-
Ethylene Glycol	1	1	1	1	1	1	1
Formaldehyde	-	2	3	-	-	-	-
Formic Acid (10%)	-	1	-	1	1	3	3
Glycerine	1	1	1	1	1	1	1
Heptane	3	-	2	3	3	1	-
Hexane	-	-	2	3	2	-	-
Hydrogen	1	-	1	-	1	1	-
Isobutyl Alcohol	1	-	1	1	-	-	1
Isooctane	-	-	1	-	-	1	-
Isopropyl Alcohol	-	-	1	-	-	-	1
Kerosene	-	-	3	3	3	1	1
Methyl Ethyl Ketone (MEK)	3	2	3	3	1	2	2
Methane	1	-	1	3	-	-	-
Methyl Alcohol	1	1	2	1	-	2	-
Methylene Chloride	3	2	3	3	3	3	-
Naptha	-	-	3	3	2	1	2
Napthalene	3	3	3	3	2	-	1
Natural Gas	1	-	-	1	-	1	-
Nitric Acid (10%)	1	2	1	1	1	3	-
Nitrogen	-	-	-	-	-	-	-
Nitrous Oxide	-	-	1	-	-	1	-
Oleic Acid	3	2	1	3	1	3	1
Oleum	3	-	3	-	3	3	-
Ozone	2	-	2	1	1	-	1
Paraffin	-	-	1	-	-	-	1
Perchloroethylene	3	3	3	2	3	-	-
Propane Gas	-	-	1	-	3	1	-
Salt/Sea Water	1	1	1	1	1	2	1
Sodium Hydroxide (10%)	1	1	2	-	1	2	-
Sodium Hydroxide (50%)	1	1	3	-	1	3	-
Sodium Hypochlorite (10%)	-	1	-	-	1	2	2
Sulfuric Acid (10%)	1	1	-	3	1	2	-
Sulfuric Acid (50%)	3	1	3	3	2	3	-
Tetrahydrofurane	3	3	3	-	1	3	-
Trichloroethylene	3	3	3	-	3	2	3
Turpentine	3	3	2	3	3	-	3
Urea	1	-	-	-	1	-	-
Vinegar	2	-	1	1	1	-	1
Xylene	3	3	3	3	3	-	3