

The following Chemical Compatibility Chart is for guidance only.
 In all cases testing is advised to determine the application suitability.
 Material for Couplings and Adaptors must also be compatible - refer to RYCO Technical Department.
 Specified resistance applies only at room temperature unless otherwise stated, and within the listed concentration.

CHEMICAL NAME	TUBE MATERIAL						
	NEOPRENE	NITRILE	PVC	CPE	HYPALON	POLYESTER	TEFLON
Acetic Acid (25%)	2	X	2	1	2	X	1
Acetone	X	X	X	1	X	X	1
Acetylene	NO HOSE AVAILABLE						
Air (71°C, 166°F)	1	1	1	1	1	1	1
Air (82°C, 180°F)	2	2	2	1	2	2	1
Air (93°C, 199°F)	X	X	X	1	2	X	1
Ammonia (Aqueous)	1	2	1	-	1	X	1
Amyl Acetate	X	X	X	2	X	X	1
Aniline	X	X	X	2	X	-	1
Benzene (Benzol)	X	X	X	X	X	X	1
Butyl Acetate	X	X	X	2	X	X	1
Butyl Alcohol (Butanol)	2	X	X	1	2	2	1
Carbon Dioxide (Dry)	2	1	1	1	1	-	1
Carbon Dioxide (Wet)	2	1	1	1	1	-	1
Carbon Disulfide	X	X	X	2	X	-	1
Chlorine Gas (Dry & Wet)	NO HOSE AVAILABLE						
Chlorine Water (25%)	X	X	X	-	2	X	1
Chloroform	X	X	X	-	X	X	1
Cyclohexane	X	2	X	1	X	2	1
Diesel fuel (under 50°C, 122°F)	X	1	X	2	X	1	1
Ethers (under 50°C, 122°F)	X	2	2	1	2	X	1
Ethyl Acetate	X	X	X	2	X	2	1
Ethyl Alcohol (Ethanol)	1	1	-	1	1	2	1
Ethyl Cellulose	-	-	-	1	-	-	1
Ethyl Chloride (Wet)	2	X	X	-	X	-	1
Ethylene Glycol (under 66°C, 151°F)	1	1	1	1	1	1	1
Fluorine (Liquid)	NO HOSE AVAILABLE						
Formaldehyde 37%	2	2	-	1	2	2	1
Fuel A (ASTM)	X	2	2	1	1	-	-
Fuel B (ASTM)	X	2	X	2	X	-	-
Fuel Oil	X	1	X	1	X	2	1
Glycerine (Glycerol)	1	1	1	1	1	1	1
Grease (Petroleum Base)	2	1	2	-	2	1	1
Hexane (under 50°C, 122°F)	X	1	2	2	1	2	1
Hydraulic Fluid (Phosphate Ester Base)	X	X	X	1	1	2	1
Hydraulic Fluid (100°C, 212°F) (Std. Petroleum Oils)	2	1	2	1	1	1	1
Hydrochloric Acid (15%)	X	X	X	1	2	X	1
Hydrochloric Acid (37%)	X	-	X	1	2	X	1
Hydrogen (Gas)	1	1	-	1	-	2	1
Hydrogen Peroxide (30%)	X	2	X	1	2	X	1

CHEMICAL NAME	TUBE MATERIAL						
	NEOPRENE	NITRILE	PVC	CPE	HYPALON	POLYESTER	TEFLON
Isopropyl Alcohol	2	2	2	1	2	-	1
Kerosene	X	2	X	1	X	2	1
L.P.G.	USE L.P.G. HOSE ONLY						
Lubricating Oils (under 50°C, 122°F)	2	1	2	1	2	1	1
Methyl Alcohol (Methanol) 100%	1	1	1	1	1	2	1
Methyl Chloride	X	X	X	X	X	2	1
Methyl Ethyl Ketone (MEK)	X	X	X	2	X	2	1
Naphtha (Low Aromatics)	X	2	X	1	X	X	1
Natural Gas	USE L.P.G. HOSE ONLY						
Nitric Acid (10%)	X	X	X	1	2	X	1
Nitric Acid (40%)	X	X	X	X	X	X	1
Oxalic Acid (10% cold)	X	X	X	1	2	X	1
Ozone (Dry)	2	X	2	1	2	2	1
Paint Solvents (Oil Base)	X	X	-	-	X	2	1
Perchloroethylene	X	X	X	2	X	X	1
Phenol (Carbolic Acid)	X	X	X	1	X	X	1
Phosphoric Acid (50%)	2	2	X	1	1	X	1
Propane Gas	USE L.P.G. HOSE ONLY						
Sodium Hydroxide (40%)	1	2	-	1	1	X	1
Sodium Hydroxide (50%, under 45°C, 113°F)	2	X	X	1	1	X	1
Sodium Hydroxide (50%, under 82°C, 180°F)	-	-	-	1	2	X	1
Sulphur Dioxide (Dry)	X	X	X	-	2	X	1
Sulphuric Acid (10%)	1	2	2	1	1	X	1
Sulphuric Acid (93%)	X	X	X	-	X	X	1
Toluene (Toluol)	X	X	X	X	X	2	1
Trichloroethylene	X	X	X	2	X	2	1
Vegetable Oils	2	1	2	1	2	1	1
Xylene	X	X	-	X	-	2	1

1 = Excellent Resistance
 2 = Good Resistance
 X = Not Recommended
 - = No Data Available

HYPALON, TEFLON™ DUPONT