

CHEMICAL RESISTANCE FOR NYLON TUBING

CHEMICAL	CONCENTRATION	20degC	40degC	60degC
Acetaldehyde		A	O	X
Acetic Acid	5%	A	A	A
Acetic Acid	10%	A	A	O
Acetic Acid	50%	O		X
Acetic Anhydride		O	X	X
Acetone	Pure	A	A+	O
Acetylene		A	A	A
Aluminum Sulfate	Sat. Sol.	A	A	A
Ammonia	Liquid or Gas	A	A	A
Ammonium Hydroxide	Concentrated	A	A	A
Ammonium Nitrate		A	A	A
Ammonium Sulfate	Sat. Sol.	A	A	O
Amyl Acetate		A	A	A
Aniline	Pure	O+	X	X
Barium Chloride		A	A	A
Beer		A		
Benzaldehyde		A	O	X
Benzene		A	A+	O
Benzyl Alcohol		O	X	X
Bromine		X	X	
Butane		A	A	A
Butyl Alcohol		A+	O	X
Calcium Arsenate	Concentrated	A	A	A
Calcium Chloride	Sat. Sol.	A	A	A
Calcium Nitrate		A		
Camphor		A		
Carbon Disulphide		A+	O+	X
Carbon Tetrachloride		O	X	
Chlorine		X	X	X
Chloroform		O	X	X
Chromic Acid	10%	X	X	X
Copper Sulfate		A	A	A
Cresol		X	X	X
Cyclohexane		A	A	O
Cyclohexanol		A	O	X
Cyclohexanone		A	O	X
DDT Preparations		A		
Diammonium Phosphate		A	A	O
Dichloroethylene		O	X	
Diethanolamine	20%	A	A+	A+
Diethyl Ether		A		
Diethylphosphate		A	A	A
Diethylphthalate		A	A	A
Ethanol	Pure	A+	O	X

Ethyl Acetate		A	A	A
Ethyl Chlorhydrin		X	X	
Ethylene Glycol		A	A	O
Ethylene Oxide		A	A	A
Fatty Acid Esters		A	A	A
Fluorine		X	X	X
Formaldehyde	Technical	A	O	X
Formic Acid		X	X	X
Freon 12		A	A	
Freon 22		A	A	
Freon 502		A	A	
Fruit Juices		A	A	
Furfural Alcohol		A	A+	O
Gas (Coal)		A	A	
Gasoline (High Octane)		A	A	A+
Glucose		A	A	A
Glycerine	Pure	A	A	O
Glycol		A	A	O
Greases		A	A	A
Heptane		A	A	A+
Hydrogen		A	A	A
Hydrogen Peroxide	20%	A	O	X
Hydrochloric Acid	10%	A	O	X
Hydrochloric Acid	20%	O	X	X
Hydroxy Quinoline		A		
Isocyanates		O		
Isopropyl Alcohol		A		
Kerosene		A	A	A+
Lactic Acid		A	A	A
Linseed Cake		A	A	A
Magnesium Chloride	50%	A	A	A
Mercury		A	A	A
Methane		A	A	A
Methanol	Pure	A+	O	X
Methyl-Cellosolve		A	A	A
Methyl Acetate		A	A	A
Methyl Bromide		A	X	
Methyl Chloride		A	X	
Methyl Sulfate		A	O	
Methyl Ethyl Ketone		A	A	O
Methyl Isobutyl Ketone		A	A	O
Milk		A	A	A
Monochlorobenzene		O	X	X
Mustard		A		
Naphtha		A	A	A+
Naphthalene		A	A	A
Nitric Acid	All Concentrations	X	X	X
Oils Crude		A	A	A+
Oils Refined		A	A	A
Oleic Acid		A	A	A
Oxalic Acid		A	A	O
Oxygen		A	A	O
Perchloroethylene		O	X	
Phenol		X	X	X
Phosphoric Acid	40%	A	O	X
Picric Acid		O	X	X

Potassium Carbonate		A	A	O
Potassium Hydroxide	50%	A	O	X
Potassium Nitrate		A+	O+	X
Potassium Permanganate	5%	X	X	
Potassium Sulfate		A	A	A
Propane		A	A	A
Pydraul F9		A	A	A
Pyridine	Pure	O	X	X
Soap Solution		A		
Sodium Carbonate	Concentrated	A	A	O
Sodium Chloride	Saturated	A	A	A
Sodium Hydroxide	50%	A	O	X
Sodium Hypochlorite	Concentrated	O	X	X
Sodium Hypochlorite	Dilute Commercial Grade	A	O	X
Sodium Sulfide		A	O	O
Stearin		A	A	A
Stearic Acid		A	A	A
Styrene Monomer		A	A+	
Sulfuric Anhydride		O	X	X
Tartaric Acid	Saturated	A	A	A
Tetraethyl Lead		A		
Tetrahydrofurane		A	A	O
Toluene		A	A+	O
Trichloroethane		O	X	
Trichloroethylene		O	X	
Tricresyl Phosphate		A	A	A
Tributyl Phosphate		A	A	A
Trisodium Phosphate		A	A	A
Triphenyl Phosphate		A	A	O
Turpentine		A	A	A+
Urea		A	A	O
Uric Acid		A	A	A
Vinegar		A	A	A
Water		A	A	A
Water Sea		A	A	A
Water Soda		A	A	A
Wine		A		
Xylene		A	A+	O
Zinc Chloride		A	A	O

LEGEND: A Good resistance

O Limited resistance

X Not satisfactory

The + indicates swelling of the tube.