



Est. 1893

Chemical Resistant Chart

The Chemical Resistant Chart is provided as a guide for qualified professionals who recommend, select, specify or otherwise determine the suitability of protective products for worker safety and is provided for advisory purposes only. The suitability of a product for a specific application must be determined and tested by the purchaser.

Boss Manufacturing Company assumes no responsibility for the suitability of a user's product selection for a specific application. Select the coating with the highest rating in the Physical Properties Chart, then check the Chemical Resistant Charts.

Chart Key

Excellent		Not Recommended -	
Good		Fair	
Insufficient Data		Poor	

Physical Properties

Physical Properties	Nitrile	Natural Rubber	PVC	Neoprene
Abrasion				
Cut Resistance				
Puncture (snag) Resistance				
Flexibility				
Heat Resistance				
Ozone Resistance				
Tensile Strength				
Dry Grip				
Wet Grip				

Chemical	Nitrile	Natural Rubber	PVC	Neoprene
Acetaldehyde				
Acetic Acid				
Acetone				
Acrylonitrile				
Aluminum Chloride				
Ammonium Fluoride 40%				
Ammonium Hydroxide				
Amyl Acetate				-
Amyl Alcohol				
Aniline				
Animal Fats				
Aqua Regia				
Battery Acid				
Benzaldehyde				-
Benzene				-
Benzyl Alcohol				
Benzyl Chloride				
Butane				
Butyl Acetate				-
Butyl Alcohol				
Butyl Cellosolve*				
Butyraldehyde				
Calcium Hypochlorite				
Carbolic Acid				
Carbon Disulfide		-	-	-
Carbon Tetrachloride				-
Castor Oil				
Cellosolve* Acetate				
Cellosolve* Solvent				
Chlorine (dry)				
Chlorine (wet)				-
Chloroacetone				
Chlorobenzene				-
Chloroform				-
Chloronaphthalene		-	-	-
Chlorothene* VG		-		-
Chromic Acid				-
Citric Acid				
Cottonseed Oil				

Chemical	Nitrile	Natural Rubber	PVC	Neoprene
Isobutyl Alcohol				
Iso-Octane				
Isopropyl Alcohol				
Kerosene				
Lacquer Thinner		-		
Lactic Acid				
Lard				
Lauric Acid 36%/EtOH				
Linoleic Acid				
Linseed Oil				
Lubricating Oils (Petroleum)				
Maleic Acid				
Methyl Acetate				
Methyl Alcohol				
Methyl Bromide				-
Methyl Cellosolve				
Methylene Chloride				-
Methyl Ethyl Ketone (M.E.K.)				
Methyl Formate				-
Methyl Osobutyl Ketone				-
Methylamine				
Methyl Methacrylate				-
Mineral Oil				
Mineral Spirits, Rule 66		-		
Monoethanolamine				
Morpholine				
Muriatic Acid				
Naphtha				
Nitric Acid - Concentrated 70%				
Nitric Acid - Diluted 10%				
Nitric Acid - Red Fuming				-
Nitric Acid - White Fuming	-	-		-
Nitrobenzene				-
Nitromethane				
Nitropropane 95.5%	-		-	
Octyl Alcohol				
Oleic Acid				
Olive Oil				
Oxalic Acid				



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Chemical	Nitrile	Natural Rubber	PVC	Neoprene	Chemical	Nitrile	Natural Rubber	PVC	Neoprene
Creosote					PCB's				
Cutting Oil					Paint Remover				
Cyclohexane					Palmitic Acid Saturated				
Cyclohexanol					Pentane			-	
Diacetone Alcohol					Perchloric Acid 60%				
Dibenzyl				-	Perchloroethylene				-
Dibutyl Phthalate					Peuta				
Diethylamine					Phenol				
Di-Isobutyl Ketone					Phosphoric Acid				
Di-Isocyanate					Pickling Solution				
Dimethyl Formamide					Picric Acid				
Dimethyl Sulfoxide, DMSO					Pine Oil				
Dioxane				-	Plating Solutions - Chrome				
Dyestuff					Potassium Hydroxide 50%				
9048)					Printing Ink				
V60/61)					Propane				
Epoxy Resins					Propyl Acetate				
Ethyl Acetate					Propyl Alcohol				
Ethyl Alcohol					Propylene Oxide				-
Ethyl Ether					Rubber Solvent		-	-	
Ethyl Formate					Silicon Etch	-	-	-	
Ethylene Dichloride				-	Skydrol 500				-
Ethylene Glycol					Sodium Hydroxide 50%				
Thylene Trichloride				-	Sodium Hypochlorite				
Fluorine				-	Soybean Oil				
Formaldehyde					Stearic Acid				
Formic Acid 90%					Stoddard Solvent				
Freon TF		-	-		Sytrene				-
Furfural					Sulfuric Acid (diluted)				
Gasoline				-	Sulfuric Acid (conc.) 95%				
Glycerin			-		Tannic Acid 65%				
Hexane			-		Tetrahydrofuran				-
Hydraulic Fluid-Petroleum Base					Toluene				-
Hydraulic Fluid-Ester Base				-	Toluene Di-Isocyanate				-
Hydrazine 65%					Trichlorethylene				-
Hydrobromic Acid					Triethanol Amine				
Hydrochloric Acid 38%					Trinitrotoluene				
Hydrochloric Acid 10%					Tung Oil				
Hydrofluoric Acid 48%					Turbine Oil				
Hydrogen Peroxide 30%					Turpentine				
Hydroquinone					Vegetable Oil				
Insecticides					Vinyl Chloride				-
					Xylene				-