Chemical Resistance Guide, a Sampling

(also refer to Top Dog's Statement on Chemical Resistance on its Website)

Note: when in doubt, the best advice is to test a sample of the material in the application/use intended

These ratings are intended as a general guide only. Since there are variable factors which can affect the chemical resistance of the material, the final determination of the suitability of the material is the responsibility of the user. Upon request, we will provide a sample of the material to aid the user in making this determination.

(**E**) = **E**xcellent – Little or no effect
(**G**) = **G**ood – Minor effect
(**F**) = **F**air - Moderate effect
(**NR**) = **N**ot Recommended – Severe effect

Chemical/Substance	PVC	Neoprene	PU
Acetaldehyde	E	E	F
Acetate	NR	F	NR
Acetic Acid	E	E	G
Acetic Acid (less than 5%)		E	E
Acetic Acid (more than 5%)		E	E
Acetone	F	E	F
Acrylonitrile	E	G	F
Air		E	E
Alcohols		E	E
Aliphatic Hydrocarbons		E	E
Ammonia (gas-liquid)		E	E
Ammonium Hydroxide		E	E
Ammonium Hydroxide	E	E	G
Ammonium Sulfate	E	E	G
Amyl Acetate	G	G	G
Amyl Alcohol	E	E	E
Aniline	E	E	F
Antifreeze		E	E
Aromatic Hydrocarbons		E	E
Battery Acid	E	G	F
Benzaldehyde	E	G	F
Benzene (Benzol)	F	F	E
Benzyl Alcohol	E	E	E
Benzyl Chloride	E	G	F
Boric Acid		E	E
Butane	G	G	E

Chemical/Substance	PVC	Neoprene	PU
Butanol		E	E
Butter	E	E	E
Buttermilk	E	E	E
Butyl Acetate	G	G	G
Butyl Alcohol	E	E	E
Butyraldehyde	E	E	F
Butyric Acid		E	E
Calcium Chloride	E	E	G
Calcium Hypochlorite	E	E	F
Carbolic Acid	E	E	F
Carbon Dioxide		E	E
Carbon Disulfide	E	F	F
Carbon Tetrachloride	G	G	G
Carbonic Acid	E	E	E
Castor Oil	E	E	E
Caustic Potash	E	E	F
Chlorine (wet)		F	F
Chlorine Water	E	E	F
Chloroacetone	G	E	F
Chloroform	E	G	G
Chlorox	E	E	F
Citric Acid	E	E	E
Coal Tar Solvents	F	G	E
Coconut Oil	E	E	E
Copper Chloride	E	G	F
Copper Salts		E	E
Copper Sulfate	E	G	G
Cottonseed Oil	E	E	E
Cutting Oil	E	F	E
Cyclohexane	F	G	NR
Dexron II (auto transmission fluid)		E	E
Diacetone Alcohol	E	E	E
Dibenzyl Ether	E	G	G
Dibutyl Phthalate	E	E	G
Diethanolamine	E	E	F
DOT 3 Brakefluid		NR	NR
Ethers		F	F
Ethyl Acetate	G	G	G
Ethyl Alcohol	E	E	E
Ethyl Ether	E	E	E
Ethyl Formate	G	E	G
Ethylene Glycol	E	E	E
Fatty Acids		E	E
Ferric Chloride	E	E	F
Formaldehyde	E	E	F
Formic Acid	E	E	E
Fuels:			
Diesel		E	E
Gasohol		E	E
JP4		E	E
Leaded Regular		E	E

Chemical/Substance	PVC	Neoprene	PU
Super Unleaded		E	E
Furfural	E	G	G
Gasoline (cracked)	F	E	E
Gasoline (SR)	F	E	E
Glucose		E	E
Glycerine		E	E
Grease (all kinds)	E	E	E
Hexane	G	E	E
Hydrobromic Acid	E	E	F
Hydrochloric Acid (1%)		E	E
Hydrochloric Acid (10%)		E	E
Hydrochloric Acid concentrated	E	F	F
Hydrofluoric Acid	E	NR	NR
Hydrogen Peroxide	E	E	G
Hydrogen Sulfide	E	G	G
Hylene	F	G	F
Kerosene		E	E
Kerosene (C-T)	G	F	E
Kerosene (PET)	G	E	E
Lactic Acid	E	E	E
Lard Oil	E	E	E
Linseed Oil	E	E	E
Malic Acid	E	E	F
Methyl Acetate	G	E	G
Methyl Alcohol	E	E	E
Methyl Cellosolve	E	E	G
Methyl Chloride	E	E	F
Methyl Ethyl Ketone	G	E	F
Milk	E	E	E
Mineral Oil	E	E	E
Monoethanolamine	E	E	F
Morpholine	E	E	G
Naphtha	F	E	E
Nitric Acid	E	G	F
Nitric Acid (diluted)		NR	NR
Nitrobenzene	E	F	G
Nitrous Acid		E	NR
Octyl Alcohol	E	E	E
Oils, Animal	F	E	E
Oils, Fish	F	E	E
Oils, Vegetable		E	E
Oleic Acid	E	E	G
Olive Oil	E	E	E
Oxalic Acid		E	E
Oxygen (gas)	E	E	E
Paint Remover	G	G	F
Perchlorethylene	F	G	G
Perchloric Acid	E	G	NR
Petroleum Oils	E	E	E
Petroleum Solvent	E	E	E
Phosphoric Acid	E	E	G

Pine Oil	E	E	E
Chemical/Substance	**PVC**	**Neoprene**	**PU**
Potassium Dichromate	E	G	F
Potassium Hydroxide	E	E	F
Propane	E	G	E
Propyl Acetate	G	E	G
Propyl Alcohol	E	E	E
Pyridine		NR	NR
Soaps	E	E	E
Sodium Hydroxide	E	E	G
Sodium Hydroxide (diluted 1%)		E	E
Sodium Hydroxide (medium concentrate)		E	E
Sodium Hydroxide (10%)		E	E
Stearic Acid	E	E	G
Sulphuric Acid concentrated	E	G	F
Sulfuric Acid (diluted 1%)		G	E
Sulfuric Acid (10%)		G	E
Tannic Acid	E	E	G
Tin Chloride	E	E	G
Toluene	F	G	G
Toluol	F	G	G
Trichlorethylene	G	G	G
Tricresyl Phosphate	E	E	F
Triethanolamine	E	G	G
Trimitrotolune	E	F	F
Turpentine	G	E	E
Water		E	E
Water Brine		E	E
Xylol		F	F