



<a href="#">Previous Page</a>
<a href="#">Texloc Home Page</a>

## TexLoc Chemical Resistance Chart G-Z

This chart is intended to be used as a general guide only. Since each pair of ratings listed is for ideal conditions, all factors affecting chemical resistance must be considered. First letter of each pair applies to conditions at 68°F/20°C, the second to those at 122°F/50°C.

LDPE	= Low Density Polyethylene
HDPE	= High Density Polyethylene
PP/PA	= Polypropylene/Polyallomer
PMP	= Polymethylpentene
FEP	
PFA	=Fluoroplastics/Fluoropolymers
PTFE	
PC	= Polycarbonate
PVDC	= Polyvinylchloride
PSF	= Polysulfone

Chemical	E=excellent G=good F=fair N=Not recommended							
	LDPE	HDPE	PP/PA	PMP	FEP PFA PTFE	PC	PVC	PSF
Gasoline	FN	GG	GF	GF	EE	FF	GN	FF
Glacial Acetic Acid	EG	EE	EG	EG	EE	NN	EG	FN
Glycerin	EE	EE	EE	EE	EE	EE	EE	EE
n-Heptane	FN	GF	FF	FF	EE	EG	GF	EG
Hexane	NN	GF	GF	FN	EE	FN	GN	EG
Hydrochloric Acid, 1-5%	EE	EE	EE	EG	EE	EE	EE	EE
Hydrochloric Acid, 20%	EE	EE	EE	EG	EE	GF	EG	EE
Hydrochloric Acid, 35%	EE	EE	EG	EG	EE	NN	GF	EE
Hydrofluoric Acid, 4%	EG	EE	EG	EG	EE	GF	GF	GF
Hydrofluoric Acid, 48%	EE	EE	EE	EE	EE	NN	GF	FN
Hydrogen Peroxide, 3%	EE	EE	EE	EE	EE	EE	EE	EE
Hydrogen Peroxide, 30%	EG	EE	EG	EG	EE	EE	EE	EE
Hydrogen Peroxide, 90%	EG	EE	EG	EG	EE	EE	EG	EE
Isobutyl Alcohol	EE	EE	EE	EG	EE	EG	EG	EG
Isopropyl Acetate	GF	EG	GF	GF	EE	NN	NN	NN
Isopropyl Alcohol	EE	EE	EE	EE	EE	EE	EG	EE
Isopropyl Benzene	FN	GF	FN	NN	EE	NN	NN	NN
Kerosene	FN	GG	GF	GF	EE	EE	EE	GF
Lactic Acid, 3%	EG	EE	EG	EG	EE	EG	GF	EE
Lactic Acid, 85%	EE	EE	EG	EG	EE	EG	GF	EE
Methoxyethyl Oleate	EG	EE	EG	EG	EE	FN	NN	NN

Methyl Alcohol	EE	EE	EE	EE	EE	GF	EF	GF
Methyl Ethyl Ketone	EG	EE	EG	NN	EE	NN	NN	NN
Methyl Isobutyl Ketone	GF	EG	GF	FF	EE	NN	NN	NN
Methyl Propyl Ketone	GF	EG	GF	FF	EE	NN	NN	NN
Methylene Chloride	FN	GF	FN	FN	EE	NN	NN	NN
Mineral Oil	GN	EE	EE	EG	EE	EG	EG	EE
Nitric Acid, 1-10%	EE	EE	EE	EE	EE	EG	EG	EF
Nitric Acid, 50%	GG	GN	FN	GN	EE	GF	GF	GF
Nitric Acid, 70%	FN	GN	NN	GF	EE	NN	FN	NN
Nitrobenzene	NN	FN	NN	NN	EE	NN	NN	NN
n-Octane	EE	EE	EE	EE	EE	GF	FN	GF
Orange Oil	FN	GF	GF	FF	EE	FF	FN	FF
Ozone	EG	EE	EG	EE	EE	EG	EG	EE
Perchloric Acid	GN	GN	GN	GN	GF	NN	GN	NN
Perchloroethylene	NN	NN	NN	NN	EE	NN	NN	NN
Phenol, Crystals	GN	GF	GN	FG	EE	EN	FN	FF
Phosphoric Acid, 1-5%	EE	EE	EE	EE	EE	EE	EE	EE
Phosphoric Acid, 85%	EE	EE	EG	EG	EE	EG	EG	EE
Pine Oil	GN	EG	EG	GF	EE	GF	FN	FF
Potassium Hydroxide, 1%	EE	EE	EE	EE	EE	FN	EE	EE
Potassium Hydroxide, Conc.	EE	EE	EE	EE	EE	NN	EG	EE
Propane Gas	NN	FN	NN	NN	EE	FN	EG	FF
Propylene Glycol	EE	EE	EE	EE	EE	GF	FN	GG
Propylene Oxide	EG	EE	EG	EG	EE	GF	FN	GG
Resorcinol, Sat.	EE	EE	EE	EE	EE	GF	FN	NN
Resorcinol, 5%	EE	EE	EE	EE	EE	GF	GN	NN
Salicylaldehyde	EG	EE	EG	EG	EE	GF	FN	FF
Salicylic Acid, Powder	EE	EE	EE	EG	EE	EG	GF	EE
Salicylic Acid, Sat.	EE	EE	EE	EE	EE	EG	GF	EE
Salt Solutions, Metallic	EE	EE	EE	EE	EE	EE	EE	EE
Silver Acetate	EE	EE	EE	EE	EE	EG	GG	EE
Silver Nitrate	EG	EE	EG	EE	EE	EE	EG	EE
Sodium Acetate, Sat.	EE	EE	EE	EE	EE	EG	GF	EE
Sodium Hydroxide, 1%	EE	EE	EE	EE	EE	FN	EE	EE
Sodium Hydroxide, 50% to Sat.	GG	EE	EE	EE	EE	NN	NN	EG
Sodium Hypochlorite, 15%	EE	EE	EE	EE	EE	GF	EE	EE
Stearic Acid, Crystals	EE	EE	EE	EE	EE	EG	EG	GG
Sulfuric Acid, 1-6%	EE	EE	EE	EE	EE	EE	EG	EE
Sulfuric Acid, 20%	EE	EE	EG	EG	EE	EG	EG	EE
Sulfuric Acid, 60%	EG	EE	EG	EG	EE	GF	EG	EE
Sulfuric Acid, 98%	GG	GG	FN	GG	EE	NN	GN	NN
Sulfuric Dioxide, Liq., 46psi	NN	FN	NN	NN	EE	GN	FN	GG
Sulfuric Dioxide, wet or dry	EE	EE	EE	EE	EE	EG	EG	GG
Sulfur Salts	FN	GF	FN	FN	EE	FN	NN	GG
Tartaric Acid	EE	EE	EE	EE	EE	EG	EG	EE
Tetrahydrofuran	FN	GF	GF	FF	EE	NN	NN	NN
Thionyl Chloride	NN	NN	NN	NN	EE	NN	NN	NN

Toluene	FN	GG	GF	FF	EE	FN	NN	NN
Tributyl Citrate	GF	EG	GF	GF	EE	NN	FN	FF
Trichloroethane	NN	FN	NN	NN	EE	NN	NN	NN
Trichloroethylene	NN	FN	NN	NN	EE	NN	NN	NN
Triethylene Glycol	EE	EE	EE	EE	EE	EG	GF	EE
Tripropylene Glycol	EE	EE	EE	EE	EE	EG	GF	EE
Turpentine	FN	GG	GF	FF	EE	FN	GF	NN
Undecyl Alcohol	EF	EG	EG	EG	EE	GF	EF	FF
Urea	EE	EE	EE	EG	EE	NN	GN	NN
Vinylidene Chloride	NN	FN	NN	NN	EE	NN	NN	NN
Xylene	GN	GF	FN	FN	EE	NN	NN	NN
Zinc Stearate	EE	EE	EE	EE	EE	EE	EG	EE
Chemical	LDPE	HDPE	PP/PA	PMP	FEP PFA PTFE	PC	PVC	PSF
E=excellent G=good F=fair N=Not recommended								

[A-F NEXT>](#)

[Back to Top](#)

**TexLoc, Ltd. Mfg of Precision Fluoroplastic Tubing & Heat Shrink**  
 4700 Lone Star Blvd. Fort Worth, Texas 76106 U.S.A. Telephone: 817-625-5081  
 U.S.A. 800-423-6551 Fax: 817-624-9095 U.S.A. 800-438-9562 Email: [texloc@texloc.com](mailto:texloc@texloc.com)

Send mail to [jmartin@texloc.com](mailto:jmartin@texloc.com) with questions or comments about this web site.  
 Last modified: November 05, 2002

\* Mylar® and Nomex® are registered trademarks of Dupont Teijin Films.  
 Ultem® is registered trademark of GE Polymers. PEEK™ is a registered trademark of Victrex