



Chemical Resistance

CHEMICALS	23°C 73°F	100°C 212°F	200°C 392°F
ACIDS			
Acetic Acid Conc.	E	E	E
Acetic Acid Glacial	E	E	-
Sulfuric Acid, <50%	E	E	-
Sulfuric Acid, >50%	A	A	-
Nitric Acid, 10%	E	E	-
Nitric Acid, 20%	E	A	-
Nitric Acid, 40%	E	A	-
Hydro Chloric Acid Conc.	E	A	-
HYDROCARBONS		-	
Acetylene	E	E	
Aviation Hydraulic Fluid	E	-	
Benzene	E	E	
Brake Fluid	E	E	E
Butane	E	-	
Crude Oil	E	-	
Cyclohexanol	E	E	
Diesel	E	-	
Dowtherm A		-	D
Dowtherm G		-	A
Engine Oil	E	E	E
Ethane	E	-	-
Fuel oil	A	-	-
Gas (Natural)	E	-	-
Gasoline	E	E	-
Gear Oil	E	E	-
Hexane	E	-	-
Hydraulic Fluids	E	-	-
Kerosene	E	-	-
Lubricating Oil	E	-	-
Methane	E	-	-
Motor Oil	E	E	E
Oil (Vegetable)	E	E	-
Toluene	E	-	-
Transformer Oil	E	E	-
Xylene	E	-	-

E: Excellent, No attack, Very less or no absorption

A: Good, Slight attack

D: Severe attack. G-PAEK polymer should not be used for any application where these chemicals are present



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ALDEHDES/KETONES			
Acetaldehyde	E	E	-
Acetone	E	E	
Benzaldehyde	E	-	-
Cyclohexanone	E	-	-
Formaldehyde	E	E	-
Formalin	E	-	-
Ketones	E	-	-
Methylethyl Ketone (MEK)	E	A	D
N-Methyl-2-Pyrrolidone (NMP)	E	E	-
BASES			
Ammonia 880	E	-	-
Ammonia Anhydrous	E	E	E
Ammonia Liquid	E	E	E
Ammonium hydroxide, 20% Conc.	E	-	-
Ammonium Hydroxide, Conc.	E	-	-
Calcium Hydroxide	E	-	-
Hydrazine	E	E	-
Hydroxides	E	-	-
Magnesium Hydroxide	E	-	-
Potassium Hydroxide, 20% Conc.	E	-	-
Potassium Hydroxide, 60% Conc.	E	-	-
Sodium Hydroxide, 20% Conc.	E	E	E
Sodium Hydroxide, 60% Conc.	E	E	E
Sodium Hydroxide, Conc.	E		-
1 N KOH sol ⁿ at reflux	E	E	-
ETHERS			
Diethylether	E	E	-
Dioxane	E	-	-
Ether	E	E	-
Ethylene Oxide (Eto)	E	-	-
Tetrahydrofuran	E	-	-
MISCELLANEOUS			
Adhesives (not cyanoacrylates)	E	-	-
Apple Juice	E	-	-
Aviation Spirit	E	-	-

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Beer	E	E	-
Cooking Oil	E	E	-
Cresote	E	-	-
Detergent Solutions (non phenolic)	E	E	-
Edible Fats & Oils	E	-	-
Fatty Acids	E	E	-
Fruit Juice	E	E	-
Gelatin	E	E	-
Ketchup	E	-	-
Linseed Oil	E	-	-
Milk	E	E	-
Mineral Oil	E	-	-
Molasses	E	E	-
Olive Oil	E	E	-
Peanut Oil	E	E	-
Paraffin	E	E	-
Sewage	E	-	-
Soap Solution	E	E	-
Starch	E	E	-
Tallow	E	-	-
Turpentine	E	-	-
Urea	E	E	-
Varnish	E	-	-
Vinegar	E	E	-
Wax	E	-	-
White Spirit	E	-	-
Wines and Spirits	E	-	-
Yeast	E	-	-

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