

CHEMICAL RESISTANT TABLE - DB

The charts presented in the following table are based on the information given by the raw material manufacturers and suppliers. It does not relieve of a qualification test on the products for your application. The chemical resistance can be affected by different chemical concentration, environmental temperature, and contact period.

Thermoplastic polyurethane polyether material TPU Condition: 23°C

CHEMICALS	Resist	Limited	Not recommended
Acetic Acid 3 %	✓		
Alcohol			✓
Ammonium Chloride Solution 3 %	✓		
Ammonium Solution 3 %	✓		
Anti-freeze	✓		
Animal Oils & Fats	✓		
ASTM-Oils 1,2 and 3	✓		
Battery Acid	✓		
Beer	✓		
Benzyl Alcohol			✓
Bleach 0.5 %	✓		
Boric Acid 3 %	✓		
Brake Fluid			✓
Butter	✓		
Butyric Acid 3 %	✓		
Calcium Hydroxide Solution	✓		
Cane Sugar	✓		

CHEMICALS	Resist	Limited	Not recommended
Caster Oil	✓		
Cheese	✓		
Citric Acid 3 %	✓		
Coconut Oil	✓		
Corn Oil	✓		
Ethanol	✓		
Ethyl Acetate		✓	
FAM Test Fluids A, B, and C			✓
Fish Oil	✓		
Formic Acid 3 %	✓		
Gasoline		✓	
Glucose	✓		
Diluted Hydrochloric Acid 3 %	✓		
Hydrogen Peroxide 35 %		✓	
Lactic Acid 3 %	✓		
Lard	✓		
Lauric Acid 3 %	✓		
Linseed Oil	✓		
Methanol		✓	
Milk	✓		
Mineral Spirits	✓		
Mustard	✓		
Diluted Nitric Acid			✓
Nut Oils	✓		
Oils & Fats	✓		

CHEMICALS	Resist	Limited	Not recommended
Oleic Acid 3 %	✓		
Palm Kernel Oil	✓		
Peanut Oils	✓		
Phenol Solution 3 %	✓		
Diluted Phosphoric Acid 3 %	✓		
Propionic Acid 3 %	✓		
Sea Water	✓		
Silicone Oil	✓		
Diluted Soda Lye	✓		
Soda Solution 3 %	✓		
Sodium Bisulphate 3 %	✓		
Sodium Hypochlorite Solution 3 %		✓	
Sodium Nitrate Solution 3 %	✓		
Sodium Sulphite Solution 3 %	✓		
Soy Bean Oil	✓		
Stearic Acid 3 %	✓		
Diluted Sulphuric 3 %	✓		
Tap Water	✓		
Tomatoes, Ketchup	✓		
Trichloroethane			✓
Triethanolamine Solution 3 %	✓		
Urea Solution 3 %	✓		
Vegetable Oils	✓		
Vinegar	✓		
Water	✓		
Whiskey & Wine	✓		

SOLVENTS	Resist	Limited	Not recommended
Acetic Ester			✓
Acetone			✓
Amyl Acetate			✓
Benzene			✓
Benzyl Alcohol			✓
Biodiesel Fuel	✓		
Butane	✓		
Butyl Acetate			✓
Chlorobenzene			✓
Chloroform			✓
Cyclohexane	✓		
Dimethyl Acetamide			✓
Dimethyl Formamide (DMF)			✓
Dimethyl Sulphoxide (DMSO)			✓
Diesel Fuel	✓		
Ethane	✓		
Ethanol		✓	
Ethyl Acetate (Acetic Ester)			✓
Ethylene Glycol	✓		
Glycol	✓		
Glycerine	✓		
Hexane	✓		
Iso-Octane	✓		
Iso-Propanol		✓	
Kerosine	✓		

SOLVENTS	Resist	Limited	Not recommended
Methane	✓		
Methylen Chloride			✓
Methyl Ethyl Ketone (MEK)			✓
Methyl Isobutyl Ketone (MIBK)			✓
N-Methyl Pyrrolidone (NMP)			✓
Octane	✓		
Paraffin Oil	✓		
Pentane	✓		
Petroleum Ether	✓		
Propane	✓		
Pyridine			✓
Tetrachloroethylene		✓	
Tetrahydrofurane			
Toluene			✓
Trichloroethane			✓
Xylene			✓