

CHEMICAL RESISTANCE CHART

Version: 0.2

Sample ratings are based on visual and physical examination after removal from the test chemical after immersion for 28 days at room temperature.

Rating Key for result of substance exposure:

RR (excellent resistance) - no noticeable effect on appearance and features

LR (limited resistance): moderate effect

NR - not recommended: severe effect

T - no data; likely to be acceptable

X - no data; not likely to be acceptable

Chemical exposure CONTACT SIDE	PVC based	POLYESTER TPU	POLYETHER TPU	TPE	PVC-TPU blend	PVC-Acrylat blend	Alcryn
PRODUCT EXAMPLES	guard 950 H3543	resist 1200 TPU H8554	diluito 1100 TPU H8555	acido 1100 TPE H8557	coastbar bl H4552	resist 1100 blend H4510	resist 1300 alcryn H4569
Acetic Acid (5%)	LR	U	LR	RR	LR	RR	LR
Acetic Acid (10%)	LR	U	LR	RR	LR	RR	LR
Acetic Acid (50%)	U	U	U	LR	U	LR	U
AD-Blue	X	X	X	T	X	T	RR
AFFF (Aqueous Film Forming Foam)	T	T	T	T	T	T	T
Ammonium Phosphate Solution	T	T	T	T	T	T	T
Ammonium Sulfate Solution	T	T	T	T	T	T	T
Animal Oil	U	LR	LR	LR	LR	LR	LR
ASTM Fuel A (100% Iso-Octane)	LR	LR	LR	LR	LR	LR	LR
ASTM Oil #1 (IRM901 Testing oil)	RR	RR	RR	RR	RR	RR	RR
ASTM Oil #2 (Flash Pt. 240° C)	LR	LR	LR	LR	LR	RR	LR
ASTM Oil #3	LR	LR	LR	LR	LR	RR	LR
Biodiesel	LR	RR	LR	LR	LR	RR	RR
Calcium Chloride Solutions	RR	RR	RR	RR	RR	RR	RR
Calcium Hydroxide	U	LR	LR	RR	U	U	LR
Caustic soda (5%)	LR	RR	LR	RR	LR	U	RR
Chlorine Solution 20%	LR	U	LR	LR	LR	U	LR
Clorox	T	T	T	T	T	T	T
Concentrated Ammonium Hydroxide	U	U	U	LR	U	T	U
Corn Oil	U	RR	LR	LR	LR	RR	RR
Crude Oil	U	RR	LR	LR	LR	RR	RR
Diesel Fuel	U	RR	LR	LR	LR	RR	RR
Dodecene	U	RR	LR	LR	LR	RR	RR
Ester based synthetic oil	X	T	T	T	T	LR	T
Ethanol / Ethyl Alcohol	U	U	LR	RR	U	RR	RR
Ethyl Acetate	U	U	U	U	U	RR	U
Ethylene Glycol (Anti-Freeze)	T	T	T	T	T	T	LR
Fertilizer Solution	LR	U	LR	LR	LR	T	LR
Fuel Oil #2	X	T	X	X	X	RR	T
Fuel Oil #6	X	T	X	X	X	RR	T
Gasoline / Petrol	U	RR	U	U	LR	RR	RR
Glycerin	X	LR	LR	T	X	T	LR
Hydraulic Fluid	U	LR	U	U	LR	T	LR
Hydrocarbon Type II (40% Aromatic)	U	RR	LR	LR	U	T	RR
Hydrochloric Acid (10%)	LR	RR	LR	RR	LR	LR	RR
Hydrofluoric Acid (5%)	U	U	LR	RR	U	T	LR
Isopropyl Alcohol	U	U	LR	RR	LR	RR	RR
Ivory Soap	X	X	LR	RR	X	RR	RR
Jet A	U	LR	LR	LR	LR	RR	LR
JP-4 Jet Fuel	U	LR	LR	LR	LR	RR	LR
JP-5 Jet Fuel	U	LR	LR	LR	LR	RR	LR
JP-8 Jet Fuel	U	LR	LR	LR	LR	RR	LR
Kerosene	U	RR	LR	LR	LR	RR	RR
Magnesium Chloride	RR	RR	RR	RR	RR	T	RR
Magnesium Hydroxide	X	X	X	T	X	U	
Methanol	U	U	LR	RR	U	RR	RR

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Methyl Ethyl Ketone	U	U	U	U	U	T	U
Mineral Spirits	U	LR	U	U	U	T	LR
Nitric Acid (5%)	U	U	LR	LR	U	X	LR
Nitric Acid (15%)	U	U	LR	LR	U	X	LR
Oliveoil	U	RR	LR	LR	LR	LR	LR
Palm oil	U	RR	LR	LR	LR	LR	LR
Phosphoric Acid (10%)	U	U	LR	LR	U	LR	LR
Phthalate Plasticizer	U	LR	LR	LR	U	LR	LR
Potassium Chloride	LR	LR	LR	LR	LR	T	LR
Potassium Sulphate	T	T	T	T	T	T	T
Raw linseed oil	U	RR	LR	LR	LR	RR	LR
Salt Water (25%)	LR	U	LR	LR	LR	RR	LR
Sodium Acetate Solution	LR	LR	LR	LR	LR	RR	LR
Sodium Bisulfite Solution	LR	LR	LR	LR	LR	RR	LR
Sodium Hydroxide (60%)	U	U	U	LR	U	U	U
Sodium Phosphate	T	T	T	T	T	T	T
Sulfuric acid (5%)	U	U	U	LR	U	LR	LR
Toluene	U	LR	LR	X	LR	X	LR
Transformer Oil	U	LR	U	LR	LR	LR	LR
Turpentine	X	T	T	T	T	T	T
Urea	T	T	T	T	T	T	T
Vegetable Oil	U	LR	LR	LR	LR	RR	LR
Xylene	X	X	X	X	X	X	T