

**March 2016 Chemical Resistance Guidelines For EPT Xtrm Ply KEE/EIA & PVC**

Element	Rating*		Element	Rating*		Element	Rating*	
	EIA/KEE	PVC		EIA/KEE	PVC		EIA/KEE	PVC
Acetic Acid (5%)	A	C	Diesel for Locomotive (ULC)	T	X	Nitric Acid (50%)	C	B
Acetic Acid (50%)	C	C	Diethyle Sebacate	X	X	Nitric Acid (100%)	C	C
Acetone	C	C	Diocetyl Phthalate (DOP)	C	C	Oxygenated Unleaded Gasoline containing Ehtanol (ULC)	T	X
Asphalt	T	B	Ethyl Acetate	C	C	Nitrobenzene	X	C
ASTM #1 Oil (ULC)	A	A	Ethyl Alcohol	A	C	Perchloroethylene	C	C
ASTM #2 (ULC)	A	A	Ethylene Dichloride	X	C	Peroxide - 200 ppm	T	A
ASTM #3 Oil (ULC)	A	A	Ethylene Glycol (Anti-Freeze)	A	X	Phenol (50%)	C	C
ASTM Reference Fuel A (ULC)	A	C	Formaldehyde	X	A	Phosphoric Acid (50%)	A	C
ASTM Reference Fuel B (ULC)	A	C	Fuel Ethanol (15%) (ULC)	T	X	Phosphoric Acid (100%)	C	C
ASTM Reference Fuel C	B	X	Fuel Methanol (15%) (ULC)	T	X	Phthalate Plasticizer	C	C
Ammonium Phosphate	T	X	Furfural	X	X	Potassium Chloride	T	B
Ammonium Sulfate	T	X	Gasoline (ULC)	B	C	Potassium Sulphate	T	X
Aqua Regia	X	X	Gas Turbine Fuel Oils (ULC)	T	X	Pydraul 312C	X	X
Automatic Trans. Fluid	T	T	Gear Oil	T	A	Regular Sulphur Diesel Fuel (ULC)	A	X
Aviation Gasoline (ULC)	B	X	Glycerine	B	A	SAE-30 Oil	A	B
Aviation Turbine Fuels (ULC)	T	X	Home Heating Oil (ULC)	A	X	Salt Water (25%)	B	C
Benzaldehyde	X	C	Hydraulic Fluid - Petroleum	A	B	Sea Water	A	B
Benzene	X	C	Hydraulic Fluid - Phosphate Ester	C	C	Soap Solution (1%)	T	B
Bromine, Anhydrous Liquid	X	B	Hydrocarbon Type II (40%Aromatic)	C	C	Sodium Acetate Solution	T	T
Butyl Acetate	X	C	Hydrochloric Acid (20%)	A	A	Sodium Bisulfite Solution	T	T
Butyl Alcohol	T	C	Hydrochlorite Solution (12.5%)	A	A	Sodium Hydroxide (40%)	A	A
Calcium Chloride (30%)	A	A	Isooctane	A	A	Sodium Phosphate	T	T
Calcium Hydroxide Solutions	T	B	Isopropyl Alcohol	T	T	Sulfuric Acid (50%)	A	A
Calcium Bisulfide	X	A	Jet Fuel, JP-4	T	C	Sulfuric Acid (97%)	C	C
Carbon Tetrachloride	X	C	Kerosene (ULC)	B	B	Tannic Acid (50%)	T	A
Caustic Soda Liquid 50%	T	A	Lactic Acid	T	T	Tetrahydrofuran	X	C
Clorobenzene	X	C	Linseed Oil - Raw	A	A	Transformer Oil	A	B
Chloroform	X	C	Magnesium Chloride	T	X	Tributyl Phosphate	X	X
Chlorosulfonic Acid	X	C	Magnesium Hydroxide	T	X	Toluene	C	C
Clorox/Bleach/Sodium Hypochlorite	A	A/15%	Methyl Alcohol	A	A	UAN	A	X
Coagulant	T	A	Methylene Chloride	A	C	Water (70° F)	A	A
Crude Oil	A	B	Methyl Ethyl Ketone	T	C	Water (200° F)	A	A
Cyclohexane	B	C	Mineral Oil	T	T	Xylene	C	C
Diesel Fuel (ULC)	A	X	Naphtha	A	C	Zinc Chloride	T	T
Diesel Fuel Low-Sulpher (ULC)	T	X	Nitric Acid (10%)	B	A		T	T

**Rating Key:** A - Fluid has little or no effect B - Fluid has minor to moderate effect C - Fluid has severe effect T - No data - likely to be acceptable X - No data - not likely to be acceptable  
ULC – Meets the requirements of ULC S668.

\* Ratings are based on visual and physical examinations of samples after removal from the test chemical after the samples of EPT Xtrm Ply HP 36 we immersed for 28 days at room temperature. Results are intended to represent ability of the material to retain its performance properties when in contact with the listed chemical. The data above was obtained on samples of the material under laboratory conditions. To the best of EPT's knowledge, this data is within the accuracy and precision of the respective tests. Because of testing and sampling variability, we cannot guarantee that other laboratories will obtain the same results and NO WARRANTY IS EXPRESSED OR IMPLIED.