



RANDOLPH AUSTIN COMPANY

Tubing Chemical Resistance Chart

Code indicates the percentage weight gain or loss after 24 hours immersion in the fluid.

(B) Best = 1-4%, (G) Good = 5-10%, (F) Fair = 11- 15%, (P) Poor = 16%+

The data contained herein are based on tests conducted on representative samples and are considered accurate. The results should indicate liquids that could be used with the tubing. However no guarantee is given or implied regarding the application of this data to the safe use of the tubing. It is suggested that the purchaser conduct tests to determine if this material is suited to this application.

	Cilran™	ED-Plex™	Povinal™	T-Alimen™	Prothane™	Vytex™
<u>Aqueous Solutions</u>						
Water	B	B	P	B	B	B
Sodium Chloride (Saturated)	B	B	F	B	B	B
Aluminum Sulfate	B	B	P	B	B	B
<u>Acids & Bases</u>						
Sulphuric Acid (66° Be)	B	B	P	B	G	B
Acetic Acid, Glacial	B	P	P	P	P	F
Hydrochloric Acid (30° Be)	B	B	P	B	P	G
Nitric Acid (40° Be)	B	B	P	B	P	G
Sodium Hydroxide (50% sol.)	B	B	P	B	B	B
Ammonia Hydroxide	B	B	P	B	B	B
<u>Aliphatic Hydrocarbons</u>						
Diesel Fuel	P	P	B	P	G	G
Naptha	P	P	B	P	G	G
Mineral Oil	P	P	B	P	G	B
<u>Aromatic Hydrocarbons</u>						
Toluene	P	P	B	P	P	P
Xylene	P	P	B	P	P	G
<u>Chlorinated Solvents</u>						
Trichloroethylene	P	P	B	P	P	P
Carbon Tetrachloride	P	P	B	P	P	P
Methylene Chloride	P	P	B	P	P	P
<u>Ketones</u>						
Acetone	B	B	F	B	P	P
Methyl Ethyl Ketone (MEK)	G	G	F	G	P	P
<u>Esters</u>						
Amyl Acetate	P	B	F	B	P	F
Butyl Acetate	P	B	F	B	P	P
Ethyl Acetate	P	F	F	F	P	P
<u>Alcohol</u>						
Butyl Alcohol	G	G	P	G	G	B
Isoproply Alcohol	G	B	F	B	B	B
Methyl Alcohol	B/F	B/F	F	B/F	G	B
Ethyl Alcohol (90%)	B	B	G	B	G	G
<u>Glycol</u>						
Ethylene Glycol	B	B	G	B	B	B
Glycerine	B	B	G	B	B	B
<u>Vegetable Oil</u>						
Safflower Oil	B	B	B	B	B	G

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