Chemical Compatibility

Fluid Contact Materials

	Acids											Alcohols						Bases			Esters						Ethers			Glycols			Aromatic Hydrocarbons			Halogenated Hydrocarbons					Ketones				Miscellaneous				
	Acetic acid, glacial	Acetic acid 90%	Acetic acid 30%	Acetic acid 10%	Hydrocloric acid. conc. (35%)	Hydrocloric acid. 6N. (20%)	Hydrocloric acid. 1N (3.3%)	Nitric acid, conc. (67%)	Nitric acid, 6N (27%)	Sulfuric acid, conc. (96%)	Sulfuric acid, 6N (16%)	Amyl Alcohol	Benzyl alcohol	Butanol	Ethanol	Isopropanol	Methanol	Ammonium hydroxide, 6N (11.4%)	Potassium hydroxide, 3N (15%)	Sodium hydroxide, 6N (22%)	Amyl acetate	Butyl acetate	Cellosolve acetate	Ethyl acetate	Isopropyle acetate	Methyl acetate	Ethyl ether	Tetrahydrofuran	Tetrahydrofuran/water (50/50,v/v)	Ethylene glycol	Glycerol	Propylene glycol	Benzene	Toluene	Xylene	Carbon Tetrachloride	Chloroform	Ethylene dichloride	Methylene chloride	Tetrachloroethylene	Acetone	Cyclohexanone	Methy ethyl ketone	Methyl isobutyl Ketone (MEK)	Acetonitrile	Dimethyl formamide (DMF)	Dimethyl sulfoxide (DMSO)	Formaldehyde, 37%	Formaldehyde, 4%
Acetal Copolymer	N	N	L	L	L	L	-	N	N	-	N	R	R	R	R	R	R	L	R	R	R	R	R	R	R	N	R	R	R	L	R	R	R	R	L	R	R	R	R	R	R	R	L	R	R	N	-	R	R
Borosilicate Glass	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Buna -N	N	N	L	L	L	L	L	N	N	N	N	L	N	R	L	L	R	N	R	R	N	N	N	N	N	N	N	N	N	R	R	R	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	R	R
Ceramic (Al203)	R	R	R	R	L	L	L	R	R	R	R	R	R	R	R	R	R	R	R	N	R	-	-	R	-	-	-	R	R	R	R	R	R	R	R	R	R	R	-	-	R	-	R	-	-	-	-	-	-
Nylon	R	R	R	R	N	N	-	N	N	N	N	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PCTFE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-	R	R	R	R	R	-	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-	-	R	R	R
PEEK	R	R	R	R	R	R	R	N	R	N	N	R	R	R	R	R	R	R	R	R	R	R	-	R	R	-	-	R	R	R	R	R	R	R	R	R	R	R	R	-	R	R	R	-	-	R	L	-	-
Platinum Iridium	R	-	R	R	R	R	R	R	R	L	R	-	-	-	R	R	R	R	L	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycarbonate	L	L	R	R	N	R	R	N	N	N	R	R	N	R	R	R	N	N	N	R	N	N	-	N	N	N	-	N	N	R	R	R	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Polypropylene	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	L	-	R	R	R	L	L	L	L	L	N	L	R	R	R	R	R	R	R	R	R
PPS	R	R	R	R	N	N	-	L	L	R	R	R	-	R	R	R	R	R	R	R	R	-	-	R	-	-	R	R	-	R	-	-	R	R	R	R	R	R	R	-	R	R	R	-	-	R	-	R	R
PTFE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PVC	N	N	N	N	L	R	R	L	R	N	R	R	N	R	L	R	R	R	R	R	N	N	N	N	N	N	N	N	-	R	R	R	N	N	N	N	N	N	N	N	L	L	L	L	L	R	L	L	-
Santoprene®	N	L	R	R	R	R	R	N	N	L	R	R	N	L	R	-	R	-	L	R	N	-	-	R	-	-	-	N	N	R	N	-	L	N	N	-	N	N	N	-	R	-	N	N	-	R	-	R	R
Silicone Lubricant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silicon-Nitride Ceramic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stainless Steel 304 Series	N	N	L	L	N	N	N	R	R	N	N	R	L	R	R	L	R	R	L	L	R	L	L	L	N	R	L	R	R	L	-	L	L	R	L	L	R	L	R	-	R	R	R	L	R	R	-	R	R
Stainless Steel 316 Series	R	L	L	R	N	N	N	R	R	N	N	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-	R	R	R	R	R	R	L	R	L	R	R	R	R	R	R	R	R	R	R	R
UHMWPE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-	R	R	R	-	-	-	R	R	R	R	L	L	L	L	L	L	R	R	R	R	-	-	-	-	R	R
Viton®	N	N	L	L	R	R	R	R	R	R	R	R	R	R	R	R	N	R	R	R	N	N	N	N	N	N	N	N	N	R	R	R	R	R	R	R	R	R	L	R	N	N	N	N	R	L	N	R	R

R = Resistant_____1 Completely or alomost comletely inert
L = Limited Resistance_____2 Partially attacked
N = Not Resistant_____3 Severely attacked
- = Insufficient Data

TRICONTINENT by Gardner Denver

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