

Chemical Compatibility for Multiwall



Chemical Variation

ALCOHOLS

Methyl alcohol	Cracking
Ethyl alcohol 50%	Unchanged
n-Butyl alcohol	Unchanged
Ethylene glycol	Unchanged

ALKALI

Sodium hydrate 1%	Unchanged
Sodium hydrate 10%	Clouding
Ammonium hydrate 10%	Browning
Calcium hydrate 10%	Unchanged

INORGANIC ACIDS

Hydrochloric acid 35%	Cracking
Hydrochloric acid 10%	Unchanged
Sulphuric acid 70%	Unchanged
Sulphuric acid 30%	Yellowing
Nitric acid 40%	Yellowing
Nitric acid 10%	Yellowing
Chromic acid	Unchanged

INORGANIC SALTS

Sodium chloride 10%	Unchanged
Potassium nitrate 10%	Unchanged
Potassium Bicrom. 10%	Yellowing
Sodium sulphate 10%	Unchanged
Ammonium chloride	Unchanged
Sodium carbonate 10%	Unchanged
Sodium bicarbonate 10%	Cracking

LUBRICATING OILS

Silicon oil	Unchanged
Paraffin oil	Unchanged
Machine oil	Unchanged

PLASTIFIED

Tricresyl phosphate	Clouding
Dioctyl Adipate	Unchanged
Butyl Stearate	Unchanged
Trimetil. foreign acid	Unchanged

Chemical

Variation

ORGANIC ACIDS

Acetic acid 70%	Unchanged
Acetic acid 10%	Unchanged
Formic acid 30%	Unchanged
Lactic acid 5%	Unchanged
Oxalic acid 10%	Unchanged
Benzoic acid 10%	Unchanged
Oleic acid 100%	Unchanged

VARIOUS

Benzol	Fast dissolution
Toluol	Fast dissolution
Industrial petrol	Yellowing – cracking – opacification
Kerosene	Unchanged
Naphtha diesel	Unchanged
N Heptane	Unchanged
Methylethylketone	Clouding – softening
Acrylonitrile	Fast dissolution
Vinyl acetate	Clouding – softening
Styrene	Clouding – softening
Ethyl ether (5°C)	Swelling
Diethylenetriamine	Dissolution
Ethylenediamine	Dissolution
Triethanolamine	Cracking
Phenol 5%	Yellowing – opacification
Cresol 5%	Unchanged
Formalin	Unchanged