Chemical Resistance of Polyethylene Resins Used In Flexelene™ and Flexelene™ Silver Tubing

*Data for samples immersed for 46 hours @ 73°F

Aqueous	
DL Water	
HCL 10%	
Nitric Acid 10%	
Nitric Acid 40%	
Sodium Hydroxide 10%	
Sodium Hydroxide 50%	
Sulphuric Acid 10%	
Sulphuric Acid 30%	
Oxygenated Solvents	
Acetone	
Di-Ethylene Glycol	
Ethyl Acetate	
Ethyl Alcohol	
Ethylene Glycol	
Methyl Ethyl Ketone	
MIBK	
Propanol	
Hydrocarbons	
ASTM 3 Oil	
Diesel	
Gasoline	
Hexane	
Mineral Oil	
Toluene	
Turpentine	
Others	
Acetic Acid	
Chloroform	

Key Legend:
Physical Changes %

Good 0-15

Fair 15-50

Poor >50 or Fail

Data presented for properties of materials and chemical resistance is for reference only. Customer applications and conditions of use are beyond our control; therefore, it is imperative that customers test Eldon James products in their specific application to determine suitability. All information is provided without implied or expressed warranty or guarantee, and none of the information provided constitutes a recommendation or endorsement of any kind by Eldon James Corporation.

The above information pertaining to chemical resistance is intended to serve as a general guide. The information listed does not take into account all variables that can be encountered in actual use. Thus, it is advisable to test material under actual or simulated service conditions.

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