

CHEMICAL RESISTANCE CHART
FOR PROTECTOWIRE TYPE EPR
JACKET MATERIAL

Ratings-Chemical Effect:

A - Little or no effect.

(< 20% Volume Swell)

B - Minor effect.

(20-40% Volume Swell)

C - Moderate effect.

(40-60% Volume Swell)

D - Severe effect - Not recommended

(> 60% Volume Swell)

Immersion times were approximately 168 hours per ASTM D-471 at 23°C or as stated.

Fluids

Chemicals

Rating

Acetic Acid 50%

A

Sulfuric Acid 98%

A

Hydrochloric Acid 10%

A

Potassium Hydroxide 10%

A

Sodium Hydroxide 50%

A

Zinc Chloride 10%

A

Water @ 100°C

A

Water (Chlorine 4ppm)

A

Water (Chloramines 4ppm)

A

Sea Water

A

Sodium Chloride 15%

A

Acetone

A

Acrylonitrile

A

Aniline

A

n-Butyl Acetate

A

Ethanol

A

Diethylether

A

Continued

(Continued)

Rating

Glycerol	A
n-Hexane	A
Methanol	A
Methylethylketone	A
Nitrobenzene	A
1- Propanol	A

Petroleum Oils & Fuels

Oil ASTM #1 @ 100°C	A
Oil ASTM #2 @ 100°C	A
Oil ASTM #3 @ 100°C	B
Fuel B (Isooctane/Toluene, 70/30)	B
Fuel C (Isooctane/Toluene, 50/50)	B

Automotive Fluids

Hydraulic Brake Fluid	A
Hydraulic Brake Fluid @ 100°C	A
Ethylene Glycol (Antifreeze/water 50/50) @ 125°C	A

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