

Material Compatibility

Source: Cole Parmer

Source Date: 10/27/2020

Source URL: https://www.coleparmer.com/chemical-resistance?PubID=SK&persist=True&ip=no&gclid=Cj0KCQjwit_8BRCoARIsAlx3Rj4mb9Uarrw7aWXUkM1_20v_JC6-HpMlvBJZdS-63ph6M3Lb7AoX9ecaAhbHEALw_wcB

Product

WaterSOLV™ Curative
(1) Basis - Hydrochloric Acid 37%

ABS plastic	A - Excellent
Carbon graphite	A - Excellent
Ceramic magnet	A - Excellent
ChemRaz (FFKM)	A - Excellent
Epoxy	A - Excellent
Fluorocarbon (FKM)	A - Excellent
Kalrez	A - Excellent
Kel-F®	A - Excellent
Natural rubber	A - Excellent
NORYL®	A - Excellent
Polyetherether Ketone (PEEK)	A - Excellent
PTFE	A - Excellent
PVDF (Kynar®)	A - Excellent
Viton®	A - Excellent
Tygon®	A1 - Excellent
CPVC	A2 - Excellent

Product

WaterSOLV™ BC
Basis - Hydrogen Peroxide 50%

Aluminum	A - Excellent
Ceramic magnet	A - Excellent
CPVC	A - Excellent
Fluorocarbon (FKM)	A - Excellent
Hastelloy-C®	A - Excellent
Kalrez	A - Excellent
Kel-F®	A - Excellent
Polyetherether Ketone (PEEK)	A - Excellent
PTFE	A - Excellent
Titanium	A - Excellent
Viton®	A - Excellent
PVC	A1 - Excellent
PVDF (Kynar®)	A1 - Excellent
Polycarbonate	A2 - Excellent
Stainless steel - 316	A2 - Excellent

Ratings - Chemical Effect

A - Excellent

B - Good: Minor Effect, slight corrosion, or discoloration.

C - Fair: Moderate Effect, not recommended for continuous use. Softening or loss of strength, and swelling may occur.

D - Severe Effect: Not recommended for any use.

E - Information not available.

Explanation of Footnotes

1-Satisfactory to 72°F (22°C)

2-Satisfactory to 120°F (48°C)

(1) Data Basis