See website for complete Chemical Resistance Chart

	Chemical	Resin Type	Specific Gravity Rating	Fitting Material	Gasket Material	Bolt Material
	Acetic Acid ≤ 80%	HDXLPE	1.9	PP	EPDM	316SS
	Aluminum Sulfate	HDXLPE	1.65	PVC	EPDM	316SS
	Calcium Carbonate	HDXLPE	1.9	PVC	EPDM	316SS
	Calcium Chloride	HDXLPE	1.65	PVC	EPDM	Titanium
	Citric Acid	HDXLPE	1.65	PVC	EPDM	316SS
	Deionized Water	HDXLPE	1.65	PVC	EPDM	316SS
	Ethylene Glycol	HDXLPE	1.35	PVC	EPDM	316SS
	Ferric Chloride	HDXLPE	1.65	PVC	EPDM	Titanium
	Ferric Sulfate	HDXLPE	1.65	PVC	EPDM	Titanium
	Ferrous Chloride	HDXLPE	1.9	PVC	EPDM	Titanium
	Ferrous Sulfate	HDXLPE	1.65	PVC	EPDM	Titanium
	Hydrochloric Acid ≤ 37%	HDXLPE with OR1000™	1.9	PVC	EPDM	C-276
*	Hydrofluoric Acid	HDXLPE	1.9	PP	Viton®	C-276
	Hydrofluosilicic Acid	HDXLPE	1.9	PVC	EPDM	C-276
	Hydrogen Peroxide	HDXLPE	1.65	PVC	Viton®	316SS
	Magnesium Chloride 30%	HDXLPE	1.65	PVC	EPDM	Titanium
	Phosphoric Acid > 50%	HDXLPE	1.9	PVC	Viton®	C-276
	Phosphoric Acid ≤ 50%	HDXLPE	1.9	PVC	Viton®	316SS
	Potable Water	HDPE	1.35	PVC	EPDM	316SS
	Potassium Hydroxide	HDXLPE	1.9	PVC	EPDM	C-276
	Sodium Bisulfite	HDXLPE	1.65	PVC	EPDM	316SS
	Sodium Carbonate	HDXLPE	1.35	PVC	EPDM	Titanium
	Sodium Chlorite	HDXLPE	1.9	PVC	Gortex®	316SS
	Sodium Hydroxide 50%	HDXLPE	1.65	PVC	EPDM	316SS
*	Sodium Hypochlorite 9%-15%	HDXLPE with OR1000™	1.9	PVC	EPDM	Titanium
*	Sulfuric Acid ≥ 93%	HDXLPE with OR1000™	2.2	PVC	Viton®	316SS
*	Sulfuric Acid 80% - 92%	HDXLPE with OR1000™	2.2	PVC	Viton®	C-276
	Sulfuric Acid < 80%	HDXLPE	1.9	PVC	Viton®	C-276

Temperature - product temperature is limited to 100°F. For temperatures from 100°F to 150°F, contact Customer Service.

* See Application Position Statements, pages 6-8

Material Descriptions

Fitting Materials:
PP (Polypropylene) - light, durable pipe or fitting material with outstanding chemical resistance
PVC (Polyvinyl Chloride) - stronger, more rigid pipe or fitting material with excellent chemical resistance

Gasket Materials:
EPDM (Ethylene-Propylene Diene Monomer) - good abrasion and tear resistance with excellent chemical resistance
Viton® (Fluorocarbon) - broader temperature and chemical resistance
Gortex® (Teflon®) - highest temperature resistance

Bolt Materials:
316SS (Stainless Steel Type 316) - common alloy used in many storage applications
Titanium - strong as steel, but half the weight
C-276 (Alloy C-276) - broader chemical resistance for more difficult storage applications

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