

CHEMICAL RESISTANCE GUIDE

CHEMICAL ENVIRONMENT	CONCENTRATION	CENTURION™ (GP)	CENTURION™ (ISO)	CENTURION™ (VE)
		SUITABILITY (MAX. TEMP. F)	SUITABILITY (MAX. TEMP. F)	SUITABILITY (MAX. TEMP. F)
Acetic Acid	50%	NR	+++ (150)	+++ (180)
Acetone	100%	NR	+ (75)	++ (75)
Alcohols	100%	NR	NR	+++ (120)
Alum	ALL	NR	+++ (150)	+++ (180)
Aluminum Chloride	ALL	NR	+++ (150)	+++ (180)
Aluminum Fluoride	20%	NR	NR	+++ (75)
Aluminum Hydroxide	ALL	NR	++ (130)	+++ (160)
Ammonium Hydroxide	30%	NR	NR	+ (75)
Ammonium Salts-Neutral	ALL	NR	++ (120)	+++ (120)
Barium Salts	ALL	NR	+++ (150)	+++ (180)
Benzene	100%	NR	NR	NR
Biodegradable Cleaner	100%	NR	+++ (100)	+++ (120)
Black Liquor (Pulp Mill)	ALL	NR	+ (150)	+++ (180)
Bleach Liquor (Pulp Mill)	ALL	NR	NR	++ (120)
Calcium Hydroxide	25%	NR	++ (140)	+++ (170)
Carbon Monoxide Gas	100%	NR	+++ (150)	+++ (180)
Carbon Tetrachloride	100%	NR	NR	+++ (75)
Chlorine, Wet Gas	SAT	NR	NR	+++ (140)
Chlorine Water	SAT	NR	NR	+++ (120)
Chlorobenzene	100%	NR	NR	NR
Chloroform	100%	NR	NR	NR
Copper Cyanide Plating Soln.	ALL	NR	+ (100)	+++ (120)
Copper Salts	ALL	NR	+++ (140)	+++ (180)
Crude Oil	100%	NR	+++ (140)	+++ (170)
Diesel Fuel	ALL	NR	+++ (100)	+++ (100)
Diethyl Benzene	100%	NR	NR	NR
Ethers	100%	NR	NR	NR
Ethylene Glycol	100%	NR	+++ (150)	+++ (180)
Fatty Acids	SAT	NR	+++ (150)	+++ (180)
Ferric Chloride	SAT	NR	+++ (140)	+++ (170)
Fluoride Salt	ALL	NR	+ (75)	+++ (75)
Formaldehyde	25%	NR	NR	+++ (140)
Formaldehyde	100%	NR	NR	NR
Formic Acid	25%	NR	+ (95)	+++ (95)

+++
 Suitable for continuous exposure to the indicated chemical environment

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 Suitable for frequent splash and spill exposure to the indicated chemical environment

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 Suitable for incidental exposure, including occasional splashes and spills, to the indicated chemical environment

Max. Temp F
 Maximum recommended temperature for the indicated chemical environment

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		SUITABILITY (MAX. TEMP. F)		SUITABILITY (MAX. TEMP. F)		SUITABILITY (MAX. TEMP. F)	
Gasoline	ALL	NR		+++	(100)	+++	(100)
Glycerine	100%	NR		+++	(140)	+++	(170)
Green Liquor (Pulp Mill)	ALL	NR		NR		+++	(150)
Heptane	100%	NR		+++	(130)	+++	(180)
Hexane	100%	NR		+	(90)	+++	(140)
Hydrochloric Acid	10%	NR		+++	(140)	+++	(170)
Hydrochloric Acid	30%	NR		+	(140)	+++	(170)
Hydrofluoric Acid	20%	NR		NR		+++	(75)
Hydrogen Peroxide	30%	NR		NR		+++	(75)
Kerosene	100%	NR		+++	(150)	+++	(180)
Lactic Acid	100%	NR		+++	(140)	+++	(170)
Lime Slurry	SAT	NR		+++	(140)	+++	(170)
Methyl Ethyl Ketone	100%	NR		NR		NR	
Mercury Chloride	100%	NR		+++	(140)	+++	(170)
Mineral Oil	100%	NR		+++	(150)	+++	(180)
Naphtha	100%	NR		+++	(130)	+++	(150)
Nickel Salts	ALL	NR		+++	(140)	+++	(170)
Nitric Acid	20%	NR		++	(120)	+++	(120)
Nitric Acid	30%	NR		NR		++	(90)
Ozone	ALL	NR		+++	(100)	+++	(100)
Phenol	10%	NR		NR		NR	
Potassium Hydroxide	10%	NR		NR		+++	(110)
Potassium Salts	ALL	NR		+++	(140)	+++	(170)
Propylene Glycol	ALL	NR		+++	(150)	+++	(180)
Sea Water	100%	+++	(140)	+++	(120)	+++	(140)
Sodium Hydroxide	50%	NR		NR		+++	(150)
Sodium Salts	ALL	NR		+++	(140)	+++	(170)
Sulfur Dioxide	VAPOR	NR		++	(150)	+++	(170)
Sulfuric Acid	25%	NR		++	(140)	+++	(170)
Sulfuric Acid	50%	NR		++	(120)	+++	(140)
Toluene	100%	NR		NR		+	(100)
Water (Fresh, Salt, Deionized)	100%	+++	(180)	+++	(150)	+++	(180)
White Liquor (Pulp Mill)	ALL	NR		+	(140)	+++	(170)
Zinc Chloride	SAT	NR		+	(75)	+++	(75)

Consult the manufacturer for exposure information or recommendations for temperatures or chemicals not indicated in this guide. The information in this guide is correct to the best of the manufacturers' knowledge. This guide is based on extrapolations of data supplied by resin manufacturers as well as service history of this product in corrosive environments.

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Because actual use conditions differ and combinations of chemicals and temperatures will occur in service, the end user must test for use and applicability under actual conditions. Test samples are available upon specific request.