

CHEMICAL EXPOSURE	TYPE V		TYPE I	
	% CONCENTRATION	MAX OPERATING TEMP °C	% CONCENTRATION	MAX OPERATING TEMP °C
Acetic Acid	50	82	50	52
Aluminium Hydroxide	100	82	100	71
Ammonium Chloride	ALL	99	ALL	77
Ammonium Hydroxide	28	38	28	N/R
Ammonium Bicarbonate	50	71	15	52
Ammonium Sulphate	ALL	99	ALL	77
Benzene	N/R	N/R	N/R	N/R
Benzoic Acid	SAT	99	SAT	66
Borax	SAT	99	SAT	77
21 Calcium Carbonate	ALL	82	ALL	77
Calcium Nitrate	ALL	99	ALL	82
Carbon Tetrachloride	100	65	N/R	N/R
Chlorine – Dry Gas	-	99	-	60
Chlorine – Water	SAT	93	SAT	27
Chromic Acid	10	65	5	21
Citric Acid	ALL	99	ALL	77
Copper Chloride	ALL	99	ALL	77
Copper Cyanide	ALL	99	ALL	77
Copper Nitrate	ALL	99	ALL	77
Ethanol	50	38	50	24
Ethylene Glycol	100	93	100	32
Ferric Chloride	ALL	99	ALL	77
Ferrous Chloride	ALL	99	ALL	77
Formaldehyde	ALL	65	50	24
Gasoline	100	82	100	32
Glucose	100	99	100	77
Glycerine	100	99	100	66
Hydrobromic Acid	50	65	50	49
Hydrochloric Acid	37	65	37	24
Hydrogen Peroxide	30	65	5	38
Lactic Acid	ALL	99	ALL	77

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	% CONCENTRATION	MAX OPERATING TEMP °C	% CONCENTRATION	MAX OPERATING TEMP °C
Lithium Chloride	SAT	99	SAT	66
Magnesium Chloride	ALL	99	ALL	77
Magnesium Nitrate	ALL	99	ALL	60
Magnesium Sulphate	ALL	99	ALL	77
Mercuric Chloride	100	99	100	66
Mercurous Chloride	ALL	99	ALL	60
Nickel Chloride	ALL	99	ALL	77
Nickel Sulphate	ALL	99	ALL	77
Nitric Acid	20	49	20	21
Oxalic Acid	ALL	99	ALL	24
Perchloric Acid	30	38	N/R	N/R
Phosphoric Acid	100	99	100	49
Potassium Chloride	ALL	99	ALL	77
Potassium Dichromate	ALL	99	ALL	77
Potassium Nitrate	ALL	99	ALL	77
Potassium Sulphate	ALL	99	ALL	77
Propylene Glycol	ALL	99	ALL	77
Sodium Acetate	ALL	99	ALL	71
Sodium Bisulphate	ALL	99	ALL	77
Sodium Cyanide	ALL	99	ALL	77
Sodium Hydroxide	25	82	N/R	N/R
Sodium Nitrate	ALL	99	ALL	77
Sodium Sulphate	ALL	99	ALL	77
Stannic Chloride	ALL	99	ALL	21
Sulphuric Acid	75	38	25	24
Tartaric Acid	ALL	99	ALL	77
Vinegar	100	99	100	77
Water – Distilled	100	82	100	77
Zinc Nitrate	ALL	99	ALL	77
Zinc Sulphate	ALL	99	ALL	77

ALL = All Concentrations

SAT = Saturated Solution

N/R = Not Recommended

The corrosion resistance data listed above is for general information only. Resin manufacturers have provided test data which indicates the specific resin can withstand the corrosion conditions listed above. Hallweld Grating believes the data to be true and accurate but no guarantee is expressed or implied as to specific performance. Testing for specific environments is recommended.