

## GRP (ISOPHTHALMIC) CHEMICAL RESISTANCE DATASHEET

Environment	Concentration %	Temp °C	Vinyl	Vinyl	ISO	GPI	Pultruded Vinyl	Grated ISO
Acetic acid	25	MAX	C	C	C	S	C	C
Acetic acid	50	MAX	C	C	C	S	C	C
Aluminium Hydroxide	ALL	MAX	C	C	C	C	C	C
Ammonium Chloride	ALL	48.8	C	C	C	C	C	C
Ammonium Bicarbonate	15	48.8	C	C	C	S	S	C
Ammonium Bicarbonate	50	48.8	C	C	C	S	S	I
Ammonium Hydroxide	20	26.6	S	C	N	N	I	N
Ammonium Sulphate	ALL	48.8	C	C	C	C	C	S
Benzene	100	65.5	I	S	I	N	I	N
Benzoic Acid (SAT)	SAT	MAX	C	C	C	S	C	C
Borax (SAT)	SAT	MAX	C	C	C	S	C	S
Calcium Carbonate	ALL	MAX	C	C	C	S	C	C
Calcium Nitrate	ALL	MAX	C	C	C	C	C	C
Carbon Tetrachloride	100	26.6	I	C	N	N	I	N
Chloride, Dry Gas*	ALL	MAX	C	C	C	S	C	S
Chloride Water (SAT)	SAT	48.8	C	C	I	N	I	N
Chromic Acid	50	65.5	I	S	N	N	I	N
Citric Acid	ALL	MAX	C	C	C	C	C	C
Copper Chloride	ALL	MAX	C	C	C	C	C	C
Copper Cyanide	ALL	60	C	C	S	I	S	I
Copper Nitrate	ALL	MAX	C	C	C	C	C	C
Ethanol	10	48.8	C	C	S	S	C	S
Ethanol	50	48.8	C	C	I	I	C	I

### FOR MORE INFO

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V4-25.01.2019



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Ethylene Glycol	ALL	MAX	C	C	C	S	C	S
Ferric Chloride	100	MAX	C	C	C	C	C	C
Ferrous Chloride	ALL	MAX	C	C	C	C	C	C
Formaldehyde 0-50%	50	48.8	S	C	I	I	S	I
Gasoline	ALL	48.8	C	C	C	S	C	S
Glucose	ALL	48.8	C	C	C	C	C	C
Glycerine	100	MAX	C	C	C	S	C	S
Hydrobromic Acid	50	MAX	S	S	S	I	I	N
Hydrobromic Acid	10	MAX	C	C	S	S	S	S
Hydrobromic Acid	37	MAX	I	C	S	I	I	I
Hydrogen Peroxide	30	26.6	C	C	N	N	S	N
Lactic Acid	100	MAX	C	C	C	C	C	C
Lithium Chloride (SAT)	SAT	MAX	N	C	N	N	N	N
Magnesium Chlorides	ALL	MAX	C	C	C	C	C	C
Magnesium Nitrate	ALL	MAX	C	C	C	C	C	C
Magnesium Sulphate	ALL	MAX	C	C	C	C	C	C
Mercuric Chloride	ALL	MAX	C	C	C	C	C	C
Mercurous Chloride	ALL	MAX	C	C	C	S	C	S
Nickel Chloride	ALL	MAX	C	C	C	C	C	C
Nickel Sulphate	ALL	MAX	C	C	C	C	C	C
Nitric Acid	20	48.8	S	C	S	I	I	I
Oxalic Acid	ALL	65.5	C	C	C	S	C	S
Perchloric Acid	30	32.2	S	C	I	I	I	I

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Environment	Concentration %	Temp °C	Vinyl	Vinyl	ISO	GPI	Pultruded Vinyl	Grated ISO
Phosphoric Acid	80	MAX	C	C	C	C	C	S
Potassium Chloride	ALL	MAX	C	C	C	C	C	C
Potassium Dichromate	ALL	MAX	C	C	C	C	C	C
Potassium Nitrate	ALL	MAX	C	C	C	C	C	C
Potassium Sulphate	ALL	MAX	C	C	C	C	C	C
Propylene Glycol	ALL	MAX	C	C	C	S	C	S
Sodium Acetate	ALL	MAX	C	C	C	C	C	C
Sodium Bisulphate	ALL	26.6	S	C	S	I	C	I
Sodium Bromide	ALL	26.6	C	C	C	C	C	C
Sodium Cyanide	ALL	26.6	C	C	I	I	S	I
Sodium Hydroxide	10	MAX	C	C	I	N	I	N
Sodium Hydroxide	50	MAX	S	C	N	N	N	N
Sodium Nitrate	ALL	MAX	C	C	C	C	C	C
Sodium Sulphate	ALL	MAX	C	C	C	C	C	C
Sulphuric Acid	10	MAX	C	C	S	S	C	S
Sulphuric Acid	25	MAX	C	C	S	S	S	I
Sulphuric Acid	75	37.7	C	C	I	I	I	N
Tartaric Acid	ALL	MAX	C	C	C	S	C	S
Vinegar	ALL	MAX	C	C	C	S	C	S
Water Distilled	ALL	MAX	C	C	C	C	C	C
Zinc Nitrate	100	MAX	C	C	C	C	C	C
Zinc Sulphate	100	MAX	C	C	C	C	C	C

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## GRP (ISOPHTHALMIC) CHEMICAL RESISTANCE DATASHEET

T = transparent.

C = continuous exposure of the grating to the Chemical Environment listed at the temperature listed.

S = frequent exposure of the grating to splashes and spills from the Chemical Environment listed with the

environment at the listed temperature. I = infrequent exposure of the grating to splashes and spills from the

Chemical Environment listed with the environment at the listed temperature and the spill immediately cleaned up or washed from the grating.

N = Not recommended for the concentrations and the temperatures listed.

MAX temperature is 115°C for transparent vinyl moulded grating, 85°C for moulded vinyl grating and pultruded vinyl grating, 71.1°C for moulded ISO grating and 65.5°C for moulded GPI grating.

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