

GRP Moulded Grating Chemical Properties Guide

Chemicals	Concentration (%)	Maximum Operating Temperature (°C)		
		Ortho resin	Iso resin	vinyl resin
Acetic acid	50	20	30	82
Chromic acid	20	No	No	38
Nitric acid	5	25	48	70
Phosphoric acid	85	No	65	100
Sulphuric acid	25	20	52	100
Hydrochloric acid	<10	No	52	100
	20	No	38	90
	37	No	No	65
Hydrotronic acid	25	No	38	93
Lactic acid	100	40	52	100
Benzoic acid	All	----	65	100
Aluminium Hydroxide	All	No	45	82
Aqueous Ammonia	28	No	30	52
Sodium Hydroxide	10	No	20	65
	25	No	No	65
	50	No	No	70
Ammonium Sulphate	All	50	60	100
Ammonium Chlorine	All	60	82	100
Ammonium Bicarbonate	All	No	No	52
Copper Chloride	All	60	65	100
Copper Cyanide	All	No	No	100
Ferric Chloride	All	60	65	100
Ferrous Chloride	All	50	60	100
Manganese Sulphate	All	45	65	100
Sodium Cyanide	All	----	----	100
Potassium Nitrate	100	40	65	100
Potassium Dichromate	100	40	60	100
Benzene	----	No	No	No
Ethylene Glycol	100	40	65	100
Propylene Glycol	100	40	65	100
Petrol	100	35	60	80
Glucose	100	No	38	100
Glycerin	100	60	65	100
Hydrogen Peroxide	30	----	----	38
Dry Chlorine Gas	100	No	38	82
Wet Chlorine Gas	All	No	No	82
Vinegar	100	30	65	100
Distilled Water	100	25	60	93
Fresh Water	100	40	70	100