

Monaco Distributors Chemical Resistance Tables

CHEMICAL	VINYL ESTER		ISOPHTHALIC POLYESTER		ORTHOPTHALIC	
Environment	%Conc	Max Oper Temp C	%Conc	Max Oper Temp C	%Conc	Max Oper Temp C
Acetic Acid	50	82	50	52	25	N/R
Aluminium Hydroxide	100	82	100	71	ALL	–
Ammonium Chloride	ALL	99	ALL	77	ALL	–
Ammonium Bicarbonate	50	70	15	52	ALL	–
Ammonium Hydroxide	28	38	28	N/R	ALL	N/R
Ammonium Sulfate	ALL	99	ALL	77	ALL	–
Benzene	ALL	N/R	ALL	N/R	ALL	N/R
Benzoic Acid	SAT	99	SAT	66	ALL	25
Borax	SAT	99	SAT	77	ALL	–
Calcium Carbonate	ALL	82	ALL	77	ALL	–
Calcium Nitrate	ALL	99	ALL	82	ALL	–
Carbon Tetrachloride	100	65	100	N/R	100	N/R
Chlorine, Dry Gas	–	99	–	60	–	N/R
Chlorine Water	SAT	93	SAT	27	SAT	N/R
Chromic Acid	10	65	5	21	5	N/R
Citric Acid	ALL	99	ALL	77	ALL	25
Copper Chloride	ALL	99	ALL	77	ALL	40
Copper Cyanide	ALL	99	ALL	77	ALL	25
Copper Nitrate	ALL	99	ALL	77	ALL	–
Ethanol	50	38	50	24	10	25
Ethylene Glycol	100	93	100	32	100	40
Ferric Chloride	ALL	99	ALL	77	ALL	40
Ferrous Chloride	ALL	99	ALL	77	ALL	30
Formaldehyde	ALL	65	50	24	25	–
Gasoline	100	82	100	27	100	25
Glucose	100	99	100	77	ALL	–
Glycerine	100	99	100	66	100	–
Hydrobromic Acid	50	65	50	49	18	–
Hydrochloric Acid	37	65	37	24	10	30
Hydrogen Peroxide	30	65	5	38	5	N/R
Lactic Acid	ALL	99	ALL	77	ALL	25
Lithium Chloride	SAT	99	SAT	66	ALL	–
Magnesium Chloride	ALL	99	ALL	77	ALL	40
Magnesium Nitrate	ALL	99	ALL	60	ALL	30
Magnesium Sulfate	ALL	99	ALL	77	ALL	40
Mercuric Chloride	100	99	100	66	100	40
Mercurous Chloride	ALL	99	ALL	60	ALL	40

Nickel Chloride	ALL	99	ALL	77	ALL	40
Nickel Sulfate	ALL	99	ALL	77	ALL	40
Nitric Acid	20	49	20	21	2	N/R
Oxalic Acid	ALL	99	ALL	24	ALL	N/R
Perchloric Acid	30	38	10	N/R	10	N/R
Phosphoric Acid	100	99	100	49	80	N/R
Potassium Chloride	ALL	99	ALL	77	ALL	40
Potassium Dichromate	ALL	99	ALL	77	ALL	25
Potassium Nitrate	ALL	99	ALL	77	ALL	40
Potassium Sulfate	ALL	99	ALL	77	ALL	40
Propylene Glycol	ALL	99	ALL	77	ALL	40
Sodium Acetate	ALL	99	ALL	71	ALL	40
Sodium Bisulfate	ALL	99	ALL	77	ALL	–
Sodium Bromide	ALL	99	ALL	77	5	–
Sodium Cyanide	ALL	99	ALL	77	5	N/R
Sodium Hydroxide	25	82	N/R	N/R	1	N/R
Sodium Nitrate	ALL	99	ALL	77	ALL	40
Sodium Sulfate	ALL	99	ALL	77	ALL	40
Stannic Chloride	ALL	99	ALL	71	ALL	40
Sulfuric Acid	75	38	25	24	10	–
Tartaric Acid	ALL	99	ALL	77	ALL	–
Vinegar	100	99	100	77	ALL	–
Water Distilled	100	82	100	77	ALL	30
Zinc Nitrate	ALL	99	ALL	77	ALL	40
Zinc Sulfate	ALL	99	ALL	77	ALL	40
(ALL) Concentrations (SAT) Saturated Solution (N/R) Not Recommended (–) No Information Available						

Note: The corrosion resistance data listed above is for general information only. Resin manufacturers have provided test data which indicates that the specific resin can withstand the corrosion conditions listed above. Monaco Distributors 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. Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material sold by Monaco Distributors.