

Chemical Listings



CORROSION
RESISTANT RESINS

CONCENTRATIONS AND RECOMMENDED MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE - DEGREES F

CHEMICAL	CONC.%	NOTES	F010	F007	F080	F083	F085	F282	K190	F701	F707	Hood & Duct K733
			F013	F015		K022	K023		F086	K095	F764	
			TEMPERATURE									
SODIUM NITRATE	ALL		210	210	210	210	210	210	210	150	120	180
SODIUM NITRITE	ALL		210	210	210	210	210	210	180	150	120	
SODIUM ORTHOPHOSPHATE (SEE TRISODIUM PHOSPHATE)	ALL		210	210	210	210	210	210	180	NR	NR	
SODIUM OXALATE	ALL		210	210	210	210	210	210	200	150	120	140
SODIUM PERSULPHATE	ALL		210	210	210	210	210	210	210	150	120	140
SODIUM PHOSPHATE	ALL		210	210	210	210	210	210	200	150	120	140
SODIUM POLYACRYLATE	ALL		180	180	150	180	180	180	180			
SODIUM SILICATE	ALL	1	210	210	210	210	210	210	160	NR	NR	
SODIUM SULPHATE	ALL		210	210	210	210	210	210	210	100	120	140
SODIUM SULPHHYDRATE	ALL		180	180	140		180	180	160	100	100	
SODIUM SULPHIDE	ALL		210	210	210		210	210	140	140	100	
SODIUM SULPHITE	ALL		210	210	210	210	210	210	210	90		
SODIUM TARTRATE	ALL		210	210		210	210	210	210	150		
SODIUM TETRABORATE	ALL		180	180	180	180	180	180	180	100		140
SODIUM THIOCYANATE	ALL		180	180	180	180	180	180	180	160	100	140
SODIUM THIOSULPHATE	ALL		180	180	180	180	180	180	180	160	100	140
SODIUM TRIDECYLSULPHATE	ALL		180	180	180	180	190	180	160	140	120	140
SODIUM TRIPHOSPHATE	ALL		210	210	210	210	210	210	160	140	120	140
SODIUM TRIPOLYPHOSPHATE	ALL		210	210	210	210	210	210	100	140	120	140
SODIUM XYLENE SULFONATE	ALL		160	160	160	160	160	160	150	80	NR	
SORBITOL SOLUTIONS	ALL		160	160	150	150	180	150	170	120	100	140
SOY SAUCE	ALL	8,12	160	160	160	160	160	160	160	140	NR	120
SOYA OIL	ALL	11,12	210	210	180	210	210	200	170	170	120	160
SOYBEAN OIL	ALL	12	210	210	210	210	210	210	170	170	120	180
SPEARMINT OIL	100		100	100			200	200				
STANNIC CHLORIDE	ALL		210	210	210	210	210	210	180	170	100	180
STANNOUS CHLORIDE	ALL		210	210	210	210	210	210	210	170	100	180
STANNOUS SULFATE	ALL		200	200	200	200	210	210	160	140	120	140
STARCH 4 < PH < 9	ALL	12	200	200	200	200	210	210	180	160	120	180
STEARIC ACID	100		210	210	210	210	210	210	250	170	120	180
STYRENE	100		NR		80	80	120	NR	NR	NR	NR	NR
SUCCINIC ACID	ALL		180	180			180	180	140	100		

Notes

- Synthetic veil recommended
 - Double synthetic veil recommended
 - Double C-glass veil recommended
 - Double C-glass veil recommended. The thickness of the chemical resistance barrier (veil plus chopped glass fibers) should be ≈0.200 inches thick
 - Carbon Veil is recommended for improved service life.
 - Acid resistant (ECR) glass recommended in chopped glass layer behind the veil layer(s)
 - BPO/DMA or BPO/DEA curing system is recommended for improved service life.
 - Post cure recommended for improved service life.
 - Satisfactory up to maximum stable temperature of component.
 - Contact Corrosion Product Leader (see page 3)
 - Vipel® F764 or Vipel® F774 are recommended as the preferred products over Vipel® F701.
 - Only F010, F007, F015, F701, F764, F774 and F737 are suitable for FDA/USDA applications.
 - NR Not recommended.
- 'ALL'** in concentration column refers to concentrations in water.
'100' in concentration column refers to the pure chemical.

Fahrenheit to Centigrade Conversions

300°F= 149°C	230°F= 110°C	160°F= 71°C	100°F= 38°C
290°F= 143°C	220°F= 104°C	150°F= 66°C	90°F= 32°C
280°F= 138°C	210°F= 99°C	140°F= 60°C	80°F= 27°C
270°F= 132°C	200°F= 93°C	130°F= 54°C	77°F= 25°C
260°F= 127°C	190°F= 88°C	120°F= 49°C	70°F= 21°C
250°F= 121°C	180°F= 82°C	110°F= 44°C	60°F= 16°C
240°F= 116°C	170°F= 77°C		

Room temperature is assumed to be 77°F