

# 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 K022	F015		K023	F086 K095		F764 F774	F737	TEMPERATURE	
POTASSIUM PERMANGANATE	ALL		210	210	210	210	210	210	150	120	NR	150
POTASSIUM PERSULPHATE	ALL		210	210	210	210	210	210	90	90		90
POTASSIUM PHOSPHATE (TRIBASIC)	100		180				180	180				
POTASSIUM PYROPHOSPHATE	60		120	140	100	150	150	150	100			
POTASSIUM SILICOFLUORIDE	ALL	2	100	100			100	100				
POTASSIUM SULPHATE	ALL		210	210	210	210	210	210	210	180	100	180
PROPANE	100		140	140	140	140	140	140	140	100	80	
PROPANOL (1-)	100		100	120			120	120				
PROPANOL (2-)	100		100	120			120	120				
PROPIONIC ACID	40		180	180			180	180				
PROPIONIC ACID	100		NR	NR			100	NR		NR	NR	
PROPYLAMINE N OR ISO	40		80				80			NR		
PROPYLENE GLYCOL 1,2	ALL		210	210	220	210	210	210	180	170	130	170
PYRIDINE	20		100	100			100	100				
PYRIDINE	100		NR				NR	NR		NR	NR	
QUARTERNARY AMMONIUM SALTS	25		175				175	150				
QUARTERNARY AMMONIUM SALTS	>25		180				180	180				
QUINOLINE	100		NR	NR	NR		NR	NR	NR	NR	NR	
RAYON SPIN BATH							140	140				
REF. FUEL C (ISOCTANE/TOLUENE)	100	11					80			80	NR	
ROSIN SIZES			180				200	180				
SALICYLALDEHYDE	100		80				80				NR	
SALICYLIC ACID	ALL		160	160	160		150	150				
SALT BRINE (SEE SODIUM CHLORIDE)	ALL		210	210	210	210	210	210		180	140	
SELENIOS ACID	ALL		210	210	210	120	210	180				
SEWAGE MUNICIPAL	ALL	10	100	100	100	100	100	100	90	100	80	90
SILICONE OILS OR GREASES	100		200	200			200	200		180	120	
SILVER CYANIDE	ALL		200	200	210		210	210				
SILVER NITRATE	ALL		210	210	210	210	210	210	210	170	120	180
SOAPS	ALL		160	180			200	180				
SODIUM ACETATE	ALL		210	210	210	210	210	210	200	150		150
SODIUM ALKYL ARYL SULPHONATE	ALL		180	180	120		180	180	180			
SODIUM ALUMINATE	ALL		160	160	160		120	150	NR	NR	NR	NR

## Notes

- 1 Synthetic veil recommended
  - 2 Double synthetic veil recommended
  - 3 Double C-glass veil recommended
  - 4 Double C-glass veil recommended. The thickness of the chemical resistance barrier (veil plus chopped glass fibers) should be ≈0.200 inches thick
  - 5 Carbon Veil is recommended for improved service life.
  - 6 Acid resistant (ECR) glass recommended in chopped glass layer behind the veil layer(s)
  - 7 BPO/DMA or BPO/DEA curing system is recommended for improved service life.
  - 8 Post cure recommended for improved service life.
  - 9 Satisfactory up to maximum stable temperature of component.
  - 10 Contact Corrosion Product Leader (see page 3)
  - 11 Vipel® F764 or Vipel® F774 are recommended as the preferred products over Vipel® F701.
  - 12 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