

# 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									
TETRASODIUM PYROPHOSPHATE	5		200	200	150		210	210	180	120	NR	125
TETRASODIUM PYROPHOSPHATE	60		120	150	100		150	120	120	90	NR	
THIOGLYCOLIC ACID	10		120		100		120	120				
THIOGLYCOLIC ACID	80		NR				80	NR				
THIOGLYCOLIC ACID	100		NR				80	NR				
THIONYL CHLORIDE	100		NR				NR	NR	150			
TOBIAS ACID	ALL		210	210	210	210	210	210				
TOLUENE	100		NR	80			120	80	90	NR	NR	90
TOLUENE DIISOCYANATE	100		80		80		80	NR	150	NR	NR	NR
TOLUENE SULPHONIC ACID	ALL		180	180	210	210	210	210				
TRANSFORMER OILS	100	11	120	150			150	210		80	NR	
TRI-(2-CHLOROETHYL) PHOSPHATE	ALL		80				80	80				
TRIBUTYL PHOSPHATE	100		120	140	150	150	140	140				
TRIBUTYLAMINE -N	100		80				120	120				
TRICHLOROACETALDEHYDE	100		NR				NR	NR				
TRICHLOROACETIC ACID	50		100	100	100	100	100	100	100	NR	NR	NR
TRICHLOROBENZENE	100		80				80		NR	NR	NR	
TRICHLOROETHANE	100		NR				100	NR	NR	NR	NR	
TRICHLOROETHYLENE	100		NR		NR	NR	NR	NR	NR	NR	NR	
TRICHLOROMONOFUORMETHANE	100	2	NR				80	80				
TRICHLOROPHENOL	100		NR				NR	NR				
TRICRESYL PHOSPHATE	100		160	160	120	120	160	140				
TRIDECYLBENZENE SULFONATE	100		200	200			210	210	120			
TRIETHANOL AMINE	100		120	120			150	120				
TRIETHANOL AMINE LAURYL SULPHATE	ALL							100				
TRIETHYL AMINE	100		120	120	120	120	120	120				
TRIETHYLENE GLYCOL	100	11	200	210			210	210	180	140		
TRIMETHYL AMINE	100		80	80			100	80				
TRIMETHYL AMINE HYDROCHLORIDE	SAT'D		100	100			120	100	100	NR	NR	
TRIMETHYLENE CHLOROBROMIDE	100		NR				NR	NR				
TRIPHENYL PHOSPHATE	100		140	140			140	140	120	80		90
TRIPHENYL PHOSPHITE	100		140	140			140	140				

## Notes

## Fahrenheit to Centigrade Conversions

- 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.

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