Chemical Listings

Vipel®
CORROSION
RESISTANT RESINS

CONCENTRATIONS AND RECOMMENDED MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE - DEGREES F

CHEMICAL	CONC.%	NOTES	F010 F013 K022	F007 F015	F080	F083 K023	F085 F086 K095	F282	K190	F701 F707 F764 F774	F737	Hood & Duct K733
			TEMPERATURE									
LAURYL CHLORIDE	100		210	210			210	210	210			
LAURYL ETHER SULFATE	100		140				140	140		80	NR	
LAURYL MERCAPTAN	100		180	150			200	200	120			
LEAD ACETATE	ALL	**11**	210	160	210	210	210	180	160	160	100	160
LEAD CHLORIDE	SAT'D		200		210	210	210	210				
LEAD NITRATE	ALL		200	180	210	210	210	210		120	90	
LEVULINIC ACID	ALL		200	220	210	210	230	210		160		
LIGNIN SULPHATE, PH 3-7	ALL		180	180			180	180				
LIGNINSULFONATE SODIUM SALT	ALL		180				180	180				
LINOLEIC ACID	100		200				210	210		160		
LINOLENIC ACID	100		200				210	210				
LINSEED OIL	100	**11**	210	210	220	220	230	210	200	180	120	
LIQUID SUGAR	ALL	**12**	180	180	180	180	210	210	180	160	120	180
LITHIUM BROMIDE	ALL		210	210	210	210	210	210	180	140		
LITHIUM CARBONATE	ALL		180	180	150	180	180	180	180			
LITHIUM CHLORIDE	ALL		210	210	210	210	210	210	210	140		
LITHIUM HYDROXIDE	ALL	**2,10**	180	180	150		100	170	NR			
LITHIUM HYPOCHLORITE	ALL	**2,7,8,9,10**	180	180			100	100				
LITHIUM SULPHATE	ALL		200		210	210	210	210	200			
MAGNESIUM BICARBONATE	ALL		180	180	180	180	180	180	180	140	100	150
MAGNESIUM BISULPHITE	ALL		180	180	180	180	180	180	180			
MAGNESIUM CARBONATE	15		180	180			180	180	160	180		
MAGNESIUM CARBONATE	SAT'D		180	180	180	180	180	180	160	150	100	160
MAGNESIUM CHLORIDE	ALL		210	210	210	210	210	210	210	100	80	180
MAGNESIUM FLUOSILICATE	37.5	**2**	180	180			180	180				
MAGNESIUM HYDROXIDE	ALL	**2**	200	210	210		210	210			NR	
MAGNESIUM NITRATE	ALL		200	210	210	210	210	210		140	100	160
MAGNESIUM SILICOFLUORIDE	37.5	**2**	100	100			140	140			NR	
MAGNESIUM SULPHATE	ALL		210	210	210	210	210	210	200	180	120	180
MALEIC ACID	ALL		180	180			210	210		140	80	
MALEIC ANHYDRIDE	100		200	200			210	210		140		
MANGANESE SULPHATE/SULPHURIC ACID (90%/10%)	100		180				210	210	180		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