

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	F737	Hood & Duct	
			F013	F015		K022	K023			F086		K095	F707
			TEMPERATURE										
BUTYL ACETATE (N-)	100		NR		80	80	80	90				NR	
BUTYL ACETATE (SEC)	100		NR		80	80	80	90			NR	NR	
BUTYL ACETATE (TERT)	100		NR		80	80	80	90			NR	NR	
BUTYL ACRYLATE	100		NR		80	80	80	80			NR	NR	
BUTYL ALCOHOL (N-)	ALL	11	100	120	120	120	150	120	100	80	NR	160	
BUTYL ALCOHOL (SEC-)	ALL	11	100	120	120	120	150	140	100	80	NR	160	
BUTYL ALCOHOL (TERT-)	ALL	11	100	120	120	120	150	140	100	80	NR	160	
BUTYL AMINE (N-)	50		NR	NR						NR	NR		
BUTYL AMINE (N-)	100		NR				NR	NR		NR	NR		
BUTYL AMINE (SEC-)	50		80				80	80		NR	NR		
BUTYL AMINE (SEC-)	100		NR	NR	NR	NR	NR	NR		NR	NR		
BUTYL AMINE (TERT-)	50		80				80	80		NR	NR		
BUTYL AMINE (TERT-)	100		NR	NR	NR	NR	NR	NR		NR	NR		
BUTYL BENZOATE	100						100	100		NR	NR		
BUTYL BENZYL PHTHALATE	100		180	160	210	210	210	200	200			120	
BUTYL CARBITOL	100			80	80	80	100	100	100				
BUTYL CELLOSOLVE	100			80	80	80	100	100	100		NR	90	
BUTYL DIGLYCOL	100		80	100	120	120	120	120	130		NR	80	
BUTYL STEARATE (5% IN MINERAL SPIRITS)	ALL		100	100			100	80	80	NR	NR		
BUTYLALDEHYDE	100		NR				100	80		NR	NR		
BUTYLENE GLYCOL	100		160	180	180	180	180	180	160	160	120	140	
BUTYLENE OXIDE	100		NR	NR	NR	NR	NR	NR		NR	NR	NR	
BUTYRIC ACID	50		200	180	180	180	200	150	120	130		120	
BUTYRIC ACID	85		80	100	100	100	120	100	90	NR	NR		
BUTYRIC ACID	100		80	100	100	100	120	NR	90	NR	NR	NR	
CADMIUM CHLORIDE	ALL		200	200	210	210	200	200	210	140	100	160	
CALCIUM BISULPHITE	ALL		200	200	210	210	210	200		170	80	160	
CALCIUM BROMIDE	ALL		200	200	200	210	210	210		140	80	140	
CALCIUM CARBONATE SLURRY	ALL		180	180	180	180	180	180		100	80	160	
CALCIUM CHLORATE	ALL		200	200	210	210	210	210	210	140	100	180	
CALCIUM CHLORIDE	ALL		200	200	200	210	210	210	210	180	130	180	

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.

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

'ALL' in concentration column refers to concentrations in water.
'100' in concentration column refers to the pure chemical.