

Epoxies, Ect. 20-3004 LV

Epoxy; Epoxide

Epoxies, Etc.

Message:

20-3004 LV & HV are two component chemical resistance epoxy systems. They were developed for potting, coating, and adhesive applications requiring superior chemical resistance. They exhibit outstanding bonds to a variety of substrates.

20-3004 LV is a low viscosity self leveling system. 20-3004 HV is a high viscosity non-sag version.

Features:

- Excellent chemical resistance
- Excellent water resistance
- Excellent adhesion to metals & plastics
- DOT noncorrosive

General Information		
Features	Bondability	
	Good Adhesion	
	Good Chemical Resistance	
	Low to No Water Absorption	
	Low Viscosity	
Uses	Adhesives	
	Coating Applications	
Appearance	Grey	
Processing Method	Encapsulating	
	Potting	
Thermal	Nominal Value	Unit
Glass Transition Temperature	50.0	°C
Additional Information	Nominal Value	Unit
Operating Temperature	-50.0 to 140	°C
Uncured Properties	Nominal Value	Unit
Color		
-- ¹	Black	
-- ²	Grey	
-- ³	White	
Mix Ratio by Weight (PBW)		
Part A	2.0	
Part B	1.0	
Mix Ratio by Volume (PBV)		
Part A	100	
Part B	45	

Density		
25°C ⁴	1.17	g/cm ³
25°C ⁵	1.17	g/cm ³
Viscosity		
25°C ⁶	5.0	Pa·s
25°C ⁷	9.0	Pa·s
Curing Time (25°C)	1.7E+2	hr
Pot Life ⁸ (25°C)	90	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	78	
Tensile Strength	52.4	MPa
Tensile Elongation at Break	3.2	%
Relative Permittivity	3.61	
Dissipation Factor	0.021	
NOTE		
1.	Part A	
2.	Mixed	
3.	Part B	
4.	Part B	
5.	Part A	
6.	Part B	
7.	Part A	
8.	100 grams	

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