

Epoxies, Ect. 20-3006

Epoxies; Epoxide

Epoxies, Etc.

Message:

20-3006 is a unique two component, electronic grade, flexible epoxy potting compound. This system was engineered to provide electrical insulation, chemical protection, and thermal shock resistance. The flexibility of 20-3006 provides low stress on surface mount and other delicate electronic components. This encapsulating and potting compound has an easy one to one mix ratio, and is D.O.T. non-hazardous.

- Features:
- Flexibility provides low stress on components
 - Chemical resistance
 - Excellent electrical insulation
 - Convenient one to one mix ratio
 - D.O.T. Non-Hazardous

General Information		
Features	Electrically Insulating	
	Good Chemical Resistance	
	Good Flexibility	
	Shock Resistant	
Uses	Electrical/Electronic Applications	
	Insulation	
Appearance	Black	
Processing Method	Encapsulating	
	Potting	
Thermal	Nominal Value	Unit
Glass Transition Temperature	37.0	°C
Thermal Conductivity	0.43	W/m/K
Additional Information	Nominal Value	Unit
Operating Temperature	-50.0 to 140	°C
Uncured Properties	Nominal Value	Unit
Color	Black	
Mix Ratio by Weight (PBW)		
Part A	1.0	
Part B	1.0	
Mix Ratio by Volume (PBV)		
Part A	1.0	
Part B	1.0	
Density		
25°C ¹	1.44	g/cm³
25°C ²	1.45	g/cm³

Viscosity		
25°C ³	19	Pa·s
25°C ⁴	25	Pa·s
Curing Time		
100°C	0.17 to 0.33	hr
60°C	2.0 to 3.0	hr
25°C	24	hr
Pot Life ⁵ (25°C)	120	min
Cured Properties	Nominal Value	Unit
Shore Hardness		
Shore D	30	
Shore A	75	
Lap Shear Strength	24.1	MPa
Tensile Elongation at Break	10	%
Relative Permittivity (100 Hz, 25°C)	3.53	
Volume Resistivity (25°C)	3.3E+15	ohms·cm
Dissipation Factor (100 Hz)	5.0E-3	
NOTE		
1.	Part B	
2.	Part A	
3.	Part A	
4.	Part B	
5.	100 grams	

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