

Epoxies, Ect. 20-3300

Epoxy; Epoxide

Epoxies, Etc.

Message:

20-3300 is a two part epoxy system formulated to meet the most critical electronic encapsulating requirements. This system has low shrinkage, high tensile and compressive strength.

20-3300 is ideal for high heat and thermal shock exposure. It has excellent adhesion to most substrates and forms a hermetic like seal to protect encapsulated parts. Great choice for high voltage applications.

20-3300 has a convenient 1:1 mix ratio with an extended pot life.

General Information		
Features	Good Adhesion	
	Good Compressive Strength	
	High Tensile Strength	
	Low Shrinkage	
Uses	Adhesives	
	Electrical/Electronic Applications	
	High Temperature Applications	
	Seals	
Processing Method	Encapsulating	
Thermal	Nominal Value	Unit
CLTE - Flow	3.8E-5	cm/cm/°C
Thermal Conductivity	0.58	W/m/K
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	12000	cP
Additional Information	Nominal Value	Unit
Operating Temperature	-70.0 to 260	°C
Uncured Properties	Nominal Value	Unit
Mix Ratio by Weight (PBW)		
Part A	1.0	
Part B	1.0	
Density (25°C)	1.40	g/cm ³
Curing Time (145°C)	2.0	hr
Pot Life ¹ (25°C)	2700	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	87	
Tensile Strength	51.7	MPa
Compression Strength	138	MPa
Electric Strength	18	kV/mm

Relative Permittivity (60 Hz)	4.00	
Volume Resistivity	3.3E+15	ohms·cm
Dissipation Factor (60 Hz)	0.010	

NOTE

- 100 gram mass

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