

Epoxies, Ect. 20-3068 (CAT.190)

Epoxy; Epoxide

Epoxies, Etc.

Message:

20-3068 is a room temperature curing, two component, epoxy potting compound and adhesive. This product provides good water resistance, adhesion, and toughness.

The 20-3068 Epoxy System meets the Food and Drug Administration (FDA) regulations permitting use in "indirect" food contact applications. The raw materials used in the products comply with the FDA regulations of Title 21 Code of Federal Regulations under Sections 175.105 and 175.300.

Features:

- Excellent adhesion
- Excellent chemical and corrosion resistance
- Excellent electrical insulation

General Information		
Features	Electrically Insulating	
	Food Contact Acceptable	
	Good Adhesion	
	Good Chemical Resistance	
	Good Corrosion Resistance	
	Good Toughness	
	Low to No Water Absorption	
Uses	Adhesives	
	Electronic Insulation	
	Food Service Applications	
	Non-specific Food Applications	
Agency Ratings	FDA 21 CFR 175.105	
	FDA 21 CFR 175.300	
Appearance	Transparent - Slight Yellow	
Processing Method	Potting	
Mechanical	Nominal Value	Unit
Flexural Strength	117	MPa
Thermal	Nominal Value	Unit
Glass Transition Temperature	80.0	°C
CLTE - Flow	6.2E-5	cm/cm/°C
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	3500	cP
Uncured Properties	Nominal Value	Unit
Color	Clear/Yellow Tint	
Mix Ratio by Weight (PBW)		

Part A	100	
Part B	15	
Density (25°C)	0.998	g/cm ³
Curing Time		
50°C	3.0 to 5.0	hr
23°C	24	hr
Shelf Life	12	month
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	88	
Tensile Strength	73.1	MPa
Tensile Elongation at Break	6.0	%
Compression Strength	108	MPa
Relative Permittivity (1 MHz)	3.47	
Volume Resistivity		
100°C	1.3E+13	ohms·cm
25°C	> 1.0E+16	ohms·cm
60°C	2.0E+16	ohms·cm
Dissipation Factor (1 MHz)	0.034	

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