

Sumikon® EME-S320CR

Epoxy; Epoxide

Sumitomo Bakelite Co., Ltd.

Message:

EME-S320CR is a low alpha particle epoxy molding compound.

General Information			
Features	Fast curing		
Uses	Semiconductor molding compound		
	Thin wall packaging		
Forms	Liquid		
Processing Method	Enclosure		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.92	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.22	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (25°C)	17200	MPa	ASTM D790
Flexural Strength (25°C)	167	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	145	°C	ASTM E1356
Thermal Conductivity	0.75	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Thermoset	Nominal Value	Unit	
Demold Time (180°C)	0.67 - 1.0	min	
Post Cure Time (175°C)	4.0 - 10	hr	
Additional Information			

Spiral Flow, SB-U-03-003: 140 cmGel Time, SB-U-03-005, 175°C: 23 secThermal Expansion, SB-U-02-002, TTg: 5.2 E-5/°CFlexural Strength, SB-U-01-001, 240°C: 20.6 MPaFlexural Modulus, SB-U-01-002, 240°C: 638 MPaUL-94 Flame Class, SB-U-03-003: V-0Extracted Na+, SB-U-04-043: <1 ppmExtracted Cl-, SB-U-04-043: 5 ppmTransfer Pressure: 687-1177 MPa

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