

Sumikon® EME-6300S

Epoxy; Epoxide
Sumitomo Bakelite Co., Ltd.

Message:
Sumikon® EME-6300S is an epoxy; Epoxy resin products. It can be processed by encapsulation and is available in North America.

General Information			
UL YellowCard	E41429-232502		
Uses	Semiconductor molding compound		
Forms	Liquid		
Processing Method	Enclosure		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.87	g/cm³	ASTM D792
Water Absorption (24 hr)	0.27	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (25°C)	14700	MPa	ASTM D790
Flexural Strength (25°C)	157	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	165	°C	ASTM E1356
Thermal Conductivity	0.67	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 (175°C)	1.2 - 2.0	min	
Post Cure Time (175°C)	0.0 - 8.0	hr	

Additional Information
Spiral Flow, SB-U-03-003: 110 cmGel Time, SB-U-03-005, 175°C: 35 secThermal Expansion, SB-U-02-002, TTg: 6.8 E-5/°CFlexural Strength, SB-U-01-001, 240°C: 19.6 MPaFlexural Modulus, SB-U-01-002, 240°C: 833.6 MPaUL-94 Flame Class, SB-U-03-003: V-0Extracted Na+, SB-U-04-043: <5 ppmExtracted Cl-, SB-U-04-043: 10 ppmTransfer Pressure: 686.5-1177 MPa

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