

Sumikon® EME-6300HD

Epoxy; Epoxide
Sumitomo Bakelite Co., Ltd.

Message:

Sumikon® EME-6300HD is an epoxy; Epoxy resin products. It can be processed by encapsulation and is available in North America. The main characteristics are: high purity.

General Information			
UL YellowCard	E41429-232498		
Features	High purity		
Uses	Semiconductor molding compound		
Forms	Liquid		
Processing Method	Enclosure		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.82	g/cm³	ASTM D792
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (25°C)	11800	MPa	ASTM D790
Flexural Strength (25°C)	118	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)	4.0 - 10	hr	
Additional Information			

Spiral Flow, SB-U-03-003: 95 cmGel Time, SB-U-03-005, 175°C: 48 secThermal Expansion, SB-U-02-002, TTg: 6.8 E-5/°CFlexural Strength, SB-U-01-001, 240°C: 15.7 MPaFlexural Modulus, SB-U-01-002, 240°C: 637.5 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: 686.5-1177 MPa

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