

Sumikon® EME-6650RL

Epoxy; Epoxide
Sumitomo Bakelite Co., Ltd.

Message:
Sumikon® EME-6650RL is an epoxy; Epoxy resin products. It can be processed by encapsulation and is available in North America.

General Information			
Uses	Semiconductor molding compound		
Forms	Liquid		
Processing Method	Enclosure		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.95	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.22	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (25°C)	18600	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	0.75	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+13	ohms·cm	ASTM D257
Thermoset	Nominal Value	Unit	
Demold Time (175°C)	0.75 - 1.3	min	
Post Cure Time (175°C)	1.0E-4 - 8.0	hr	

Additional Information
Spiral Flow, SB-U-03-003: 110 cmGel Time, SB-U-03-005, 175°C: 34 secThermal Expansion, SB-U-02-002, TTg: 4.5 E-5/°CFlexural Strength, SB-U-01-001, 240°C: 20.6 MPaFlexural Modulus, SB-U-01-002, 240°C: 1177 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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