

SUMILITE® EL-3838

Epoxy; Epoxide
Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®EL-3838 is an epoxy; Epoxy resin products. It is available in North America. SUMILITE®EL-3838 application areas include electrical/electronic applications, electrical appliances and coating applications. The main characteristics are: flame retardant/rated flame.

General Information			
Uses	Laminate		
	Electrical/Electronic Applications		
	Electrical appliances		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.060	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength (Yield)	340	MPa	ASTM D790
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	kV/mm	ASTM D149
Dielectric Constant	4.50		ASTM D150
Dissipation Factor	0.021		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information			

Tests were performed in accordance with JIS K6911Flexural Strength, JIS K6911, Flow: 440 MpaFlexural Strength, JIS K6911, Accross Flow: 340 MpaSolvent Resistivity, JIS K6911, 30 min boil: ConstantDielectric Strength, JIS K6911, Flatwise: 18 MV/mPunching Temperature, JIS K6911: 60°CInsulation Resistance, JIS K6911: 1e8 M ohmsInsulation Resistance JIS K6911: 1e7 M ohmsHeat Resistivity, JIS K6911, 120 min: 140°C

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