SUMILITE® PL-1147

Phenolic

Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®PL-1147 is a phenolic (Phenolic) product. It is available in North America. SUMILITE®PL-1147 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	1.40	g/cm³	ASTM D792
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Strength (Yield)	140	MPa	ASTM D790
Electrical	**Nominal Value**	**Unit**	**Test Method**
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant	4.50		ASTM D150
Dissipation Factor	0.045		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: 150 MpaFlexural Strength, JIS K6911, Accross Flow: 140 MpaSolvent Resistivity, JIS K6911, 30 min boil: ConstantDielectric Strength, JIS K6911, Flatwise: 20 MV/mPunching Shrinkage, JIS K6911, 60°C, 150 mm length, Flow: 0.05%Punching Shrinkage, JIS K6911, 60°C, 150 mm length, Across Flow: 0.12%Punching Temperature, JIS K6911: 90°CInsulation Resistance, JIS K6911: 2e5 M ohmsInsulation Resistance JIS K6911: 3e2 M ohmsHeat Resistivity, JIS K6911, 120 min: 120°C

Recommended distributors for this material

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