

SUMILITE® PL-1186

Phenolic

Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®PL-1186 is a phenolic (Phenolic) product. It is available in North America. SUMILITE®PL-1186 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/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	1.8	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength (Yield)	130	MPa	ASTM D790
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	kV/mm	ASTM D149
Dielectric Constant	6.60		ASTM D150
Dissipation Factor	0.060		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information			

Tests were performed in accordance with JIS K6911Flexural Strength, JIS K6911, Flow: 180 MpaFlexural Strength, JIS K6911, Accross Flow: 130 MpaSolvent Resistivity, JIS K6911, 30 min boil: ConstantDielectric Strength, JIS K6911, Flatwise: 18 MV/mPunching Shrinkage, JIS K6911, 60°C, 150 mm length, Flow: 0.28%Punching Shrinkage, JIS K6911, 60°C, 150 mm length, Across Flow: 0.44%Punching Temperature, JIS K6911: 130°CInsulation Resistance, JIS K6911: 1e4 M ohmsInsulation Resistance JIS K6911: 3e1 M ohmsHeat Resistivity, JIS K6911, 120 min: 120°C

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