

SUMILITE® PL-1102

Phenolic

Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®PL-1102 is a phenolic (Phenolic) product. It is available in North America. Typical application areas are: coating applications.

General Information			
Features	General		
Uses	Laminate		
	General		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	130	MPa	ASTM D638
Flexural Strength (Yield)	180	MPa	ASTM D790
Compressive Strength	180	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
Transverse flow	36	J/m	ASTM D256
Flow	91	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	16	kV/mm	ASTM D149
Additional Information			

Tests were performed in accordance with JIS K6911Flexural Strength, JIS K6911, Flow: 200 MpaFlexural Strength, JIS K6911, Accross Flow: 180 MpaTensile Strength at Yield, JIS K6911, Flow: 140 MpaTensile Strength at Yield, JIS K6911, Accross Flow: 130 MpaCompressive Strength, JIS K6911, Vertical: 290 MpaCompressive Strength, JIS K6911, Parallel: 180 MpaBonding Strength, JIS K6911: 4.7 KNSolvent Resistivity, JIS K6911, 30 min boil: ConstantDielectric Strength, JIS K6911, Flatwise: 16 MV/mDielectric Strength, JIS K6911, Edgewise: 9 KVInsulation Resistance, JIS K6911: 1e4 M ohmsInsulation Resistance JIS K6911: 1e2 M ohmsHeat Resistivity, JIS K6911, 120 min: 130°C

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