

SUMILITE® PL-1766

Phenolic
Sumitomo Bakelite Co., Ltd.

Message:

SUMILITE®PL-1766 is a phenolic (Phenolic) product. It is available in North America. Typical application areas are: coating applications. The main characteristics are: heat resistance.

General Information			
Features	Heat resistance, high		
Uses	Laminate		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.86	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	250	MPa	ASTM D638
Flexural Strength (Yield)	380	MPa	ASTM D790
Compressive Strength	270	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
Transverse flow	800	J/m	ASTM D256
Flow	1500	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	17	kV/mm	ASTM D149
Additional Information			

Tests were performed in accordance with JIS K6911Flexural Strength, JIS K6911, Flow: 410 MpaFlexural Strength, JIS K6911, Accross Flow: 380 MpaTensile Strength at Yield, JIS K6911, Flow: 340 MpaTensile Strength at Yield, JIS K6911, Accross Flow: 250 MpaCompressive Strength, JIS K6911, Vertical: 580 MpaCompressive Strength, JIS K6911, Parallel: 270 MpaBonding Strength, JIS K6911: 5.8 KNSolvent Resistivity, JIS K6911, 30 min boil: ConstantDielectric Strength, JIS K6911, Flatwise: 17 MV/mDielectric Strength, JIS K6911, Edgewise: 15 KVInsulation Resistance, JIS K6911: 4.6e6 M ohmsInsulation Resistance JIS K6911: 1.1e4 M ohmsHeat Resistivity, JIS K6911, 120 min: 200°C

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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