

# SUMILITE® PL-1256 (Machining)

Phenolic

Sumitomo Bakelite Co., Ltd.

## Message:

SUMILITE®PL-1256 (Machining) is a phenolic (Phenolic) product. It is available in North America. Typical application areas are: coating applications.

General Information			
Uses	Laminate		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm <sup>3</sup>	ASTM D792
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	80.0	MPa	ASTM D638
Flexural Strength (Yield)	160	MPa	ASTM D790
Compressive Strength	150	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
Transverse flow	36	J/m	ASTM D256
Flow	82	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	kV/mm	ASTM D149
Additional Information			

Tests were performed in accordance with JIS K6911 Flexural Strength, JIS K6911, Flow: 180 Mpa Flexural Strength, JIS K6911, Accross Flow: 160 Mpa Tensile Strength at Yield, JIS K6911, Flow: 100 Mpa Tensile Strength at Yield, JIS K6911, Accross Flow: 80 Mpa Compressive Strength, JIS K6911, Vertical: 230 Mpa Compressive Strength, JIS K6911, Parallel: 150 Mpa Bonding Strength, JIS K6911: 4.5 KNSolvent Resistivity, JIS K6911, 30 min boil: Constant Dielectric Strength, JIS K6911, Flatwise: 18 MV/m Dielectric Strength, JIS K6911, Edgewise: 10 KV Insulation Resistance, JIS K6911: 1e4 M ohms Insulation Resistance JIS K6911: 3e1 M ohms Heat Resistivity, JIS K6911, 120 min: 130°C

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