

Sumikon® PM-6530

Phenolic

SBHPP

Message:

SUMIKON® PM-6530 (Type Black) is Glass fiber and Inorganic filler filled resol resin (non-anmonia phenolic) molding compound with good mechanical property and good electronic property.

General Information	
Filler / Reinforcement	Glass fiber reinforced material Inorganic filler
Features	Good electrical performance
RoHS Compliance	RoHS compliance
Appearance	Black
Forms	Powder Particles
Processing Method	Resin transfer molding Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.13	%	JIS K6911
Water Absorption (Equilibrium)	0.10	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	96.0	MPa	JIS K6911
Flexural Modulus	13400	MPa	JIS K6911
Flexural Strength	130	MPa	JIS K6911
Compressive Strength	220	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.7	kJ/m ²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	300	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	10	kV/mm	JIS K6911
Arc Resistance	179	sec	JIS K6911
Insulation Resistance			JIS K6911
-- ²	7.0E+12	ohms	JIS K6911
-- ³	1.0E+12	ohms	JIS K6911

NOTE

1.	Method B (step by step)
2.	As molded
3.	After boiling

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Recommended distributors for this material

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