

Sumikon® PM-6545

Phenolic

SBHPP

Message:

SUMIKON® PM-6545 type black is Glass fiber filled resol resin molding compound with good mechanical property and heat resistance. This grade suits UL1004.

General Information	
Filler / Reinforcement	Glass fiber reinforced material Inorganic filler
Features	Heat resistance, medium
Appearance	Black
Forms	Powder Particles
Processing Method	Resin transfer molding Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.99	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.19	%	JIS K6911
Water Absorption (Equilibrium)	0.11	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	94.0	MPa	JIS K6911
Flexural Modulus	20900	MPa	JIS K6911
Flexural Strength	176	MPa	JIS K6911
Compressive Strength	145	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.8	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	12	kV/mm	JIS K6911
Comparative Tracking Index	250	V	IEC 60112
Insulation Resistance			JIS K6911
-- ²	7.0E+12	ohms	JIS K6911
-- ³	8.0E+11	ohms	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.0 mm)	V-0		UL 94

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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