

Sumikon® PM-6600

Phenolic

SBHPP

Message:

SUMIKON® PM-6600 Type Black is a Short Glass fiber & Mineral molding compound based on Phenolic Novolac polymer. It is supplied in the form of Granular/Molding Powder for Molding.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Mineral filler		
Appearance	Black		
Forms	Powder		
	Particles		
Processing Method	Resin transfer molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.79	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.22	%	JIS K6911
Water Absorption (Equilibrium)	0.060	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	110	MPa	JIS K6911
Flexural Modulus	15300	MPa	JIS K6911
Flexural Strength	210	MPa	JIS K6911
Compressive Strength	260	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.1	kJ/m ²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	208	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	16	kV/mm	JIS K6911
Insulation Resistance			JIS K6911
-- ²	1.0E+12	ohms	JIS K6911
-- ³	5.0E+11	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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