

Sumikon® PM-5630

Phenolic

SBHPP

Message:

SUMIKON PM-5630 Type Black is a Mineral & Short Glass fiber molding compound based on Phenolic Resol 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	2.18	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.25	%	JIS K6911
Water Absorption (Equilibrium)	0.11	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	97.0	MPa	JIS K6911
Flexural Modulus	20100	MPa	JIS K6911
Flexural Strength	149	MPa	JIS K6911
Compressive Strength	282	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.1	kJ/m ²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 300	°C	JIS K6911

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Recommended distributors for this material

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