

Sumikon® PM-6930

Phenolic

SBHPP

Message:

SUMIKON® PM-6930 (Type H Black) is Glass fiber and Inorganic filler filled resol resin (non-anmonia phenolic) molding compound with good electronic property and heat resistance. This grade is official registered UL with V-0 (t=4.5).

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Inorganic filler		
Features	Good electrical performance		
	Heat resistance, medium		
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)	0.070	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	93.0	MPa	JIS K6911
Flexural Modulus	14800	MPa	JIS K6911
Flexural Strength	156	MPa	JIS K6911
Compressive Strength	186	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.4	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
Insulation Resistance			JIS K6911

-- ²	2.0E+13	ohms	JIS K6911
-- ³	8.0E+12	ohms	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating (4.5 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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