

Sumikon® PM-5900

Phenolic

SBHPP

Message:

SUMIKON® PM-5900 (Type JA Black) is Glass fiber and Inorganic filler filled resol resin (non-ammonia phenolic) molding compound. This grade is official registered UL with V-0 (t=3.0).

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.86	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.47	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	57.0	MPa	JIS K6911
Flexural Modulus	10000	MPa	JIS K6911
Flexural Strength	102	MPa	JIS K6911
Compressive Strength	185	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.2	kJ/m ²	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	9.0	kV/mm	JIS K6911
Insulation Resistance			JIS K6911
-- ²	6.0E+11	ohms	JIS K6911
-- ³	1.0E+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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