

Sumikon® PM-6830 (Type: Black)

Phenolic

SBHPP

Message:

SUMIKON® PM-683 (Type Black) is Glass fiber and Inorganic filler filled resol resin (non-anmonia phenolic) molding compound with good mechanical 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	Heat resistance, medium		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	flake		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm ³	JIS K6911
Molding Shrinkage - Flow	0.080	%	JIS K6911
Water Absorption (Equilibrium)	0.11	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.0	MPa	JIS K6911
Flexural Strength	85.0	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.4	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	12	kV/mm	JIS K6911
Insulation Resistance			JIS K6911
-- ²	9.0E+12	ohms	JIS K6911
-- ³	6.0E+11	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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

