

Sumikon® PM-6830

Phenolic
Sumitomo Bakelite Co., Ltd.

Message:

Sumikon® PM-6830 is a phenolic (Phenolic) product. It can be processed by injection molding and is available in North America or Asia Pacific.
Features include:
flame retardant/rated flame
high strength
Heat resistance

General Information			
UL YellowCard	E41429-232692		
Features	High strength		
	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.84	g/cm ³	ISO 1183
Molding Shrinkage	0.050 - 0.15	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	98.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.8	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	300	°C	ISO 75-2/A
CLTE - Flow	1.8E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	10	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (4.20 mm)	V-0		UL 94
Additional Information			

Insulation Resistance, JIS K6911, as molded: 1E11 to 1E12 ohmInsulation Resistance, JIS K6911, after boiling: 1E10 to 1E11 ohmAppearance after heating, JIS K6911, @ 2 hrs: 200°CHDT A (1.80 MPa) Unannealed, ISO 75A-1,-2: >300°CAII ISO values were tested in accordance with JIS specifications.

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

