

# Sumikon® PM-9610

Phenolic

Sumitomo Bakelite Co., Ltd.

## Message:

Sumikon® PM-9610 is a phenolic (Phenolic) product. It can be processed by injection molding and is available in North America or Asia Pacific. Typical application areas are: automotive industry.

Features include:

high strength

Heat resistance

General Information			
Features	High strength Heat resistance, high		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	2.02	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.20 - 0.40	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.035	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	118		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	160	MPa	ISO 178
Compressive Stress	265 - 305	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
CLTE - Flow	1.8E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	15	kV/mm	IEC 60243-1
Comparative Tracking Index	175	V	IEC 60112
Additional Information			

Insulation Resistance, JIS K6911, as molded: 1E11 to 1E13 ohmInsulation Resistance, JIS K6911, after boiling: 1E10 to 1E12 ohmAppearance after heating, JIS K6911, @ 2 hrs: 200°CAll ISO values were tested in accordance with JIS specifications.

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