

Sumikon® PM-9615

Phenolic
Sumitomo Bakelite Co., Ltd.

Message:

Sumikon®PM-9615 is a phenolic (Phenolic) product. It can be processed by injection molding and is available in North America or Asia Pacific. Sumikon®PM-9615 applications include the automotive industry and hoses. Features include:
high strength
Heat resistance

General Information			
Features	High strength Heat resistance, high		
Uses	Parts under the hood of a car Application in Automobile Field Fuel line		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.77	g/cm ³	ISO 1183
Molding Shrinkage	0.20 - 0.40	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	205	MPa	ISO 178
Compressive Stress	275 - 315	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.4	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	°C	ISO 75-2/A
CLTE - Flow	2.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	10	kV/mm	IEC 60243-1
Additional Information			

Insulation Resistance, JIS K6911, as molded: 1E12 to 1E14 ohmInsulation Resistance, JIS K6911, after boiling: 1E11 to 1E13 ohmAppearance after heating, JIS K6911, @ 2 hrs: 200°CAll ISO values were tested in accordance with JIS specifications.

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