

SumiDurez PM 9720

Phenolic

SumiDurez Singapore Pte Ltd

Message:

PM 9720 Phenolic is a single stage special purpose molding compound. It is especially designed for applications requiring good electric insulation property and heat/flame resistance. Typical applications include coil bobbins and switches.
JIS Type EG-R

General Information			
Features	Flame Retardant		
	Good Electrical Properties		
	High Heat Resistance		
Uses	Bobbins		
	Electrical Parts		
	Switches		
Appearance	Black		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	JIS K6911
Apparent Density	0.86	g/cm ³	JIS K6911
Molding Shrinkage - Flow (Transfer Molded)	0.85	%	JIS K6911
Water Absorption (24 hr)	0.40	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	113	MPa	JIS K6911
Compressive Strength	225	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.4	kJ/m ²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	195	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	11	kV/mm	JIS K6911
Insulation Resistance			JIS K6911
-- ²	1.0E+12	ohms	
-- ³	1.0E+11	ohms	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm)	V-0		UL 94

NOTE	
1.	60 V/sec
2.	Before Boiling
3.	After Boiling

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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



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