

SumiDurez PM 8270

Phenolic

SumiDurez Singapore Pte Ltd

Message:

PM 8270 Phenolic is a two-stage general purpose molding compound. It exhibits versatile mouldability plus a balance of physical and electrical properties which make it suitable for many diverse application.

General Information			
Features	General Purpose		
	Good Electrical Properties		
	Good Moldability		
Uses	Appliances		
	Electrical Parts		
	General Purpose		
Appearance	Black		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	JIS K7112
Apparent Density	0.62	g/cm ³	JIS K6915
Molding Shrinkage - Flow (Transfer Molded)	0.75	%	JIS K6915
Water Absorption (24 hr)	0.30	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	80.0	MPa	JIS K7203
Compressive Strength	190	MPa	JIS K7208
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.6	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	°C	JIS K7207
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	11	kV/mm	JIS K6915
Insulation Resistance			JIS K6915
-- ²	1.0E+10	ohms	
-- ³	1.0E+8	ohms	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.60 mm)	V-0		UL 94
NOTE			

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

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