

SumiDurez PM 8180

Phenolic

SumiDurez Singapore Pte Ltd

Message:

PM 8180 Phenolic is a two-stage special purpose molding compound. It is especially designed for large volume molding with rapid cure property. Typical applications include ashtrays for automobiles.
JIS Type GE

General Information			
Features	Fast Cure		
	General Purpose		
Uses	Automotive Interior 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 K6911
Apparent Density	0.65	g/cm ³	JIS K6911
Molding Shrinkage - Flow (Transfer Molded)	0.80	%	JIS K6911
Water Absorption (24 hr)	0.30	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	85.0	MPa	JIS K6911
Compressive Strength	210	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m ²	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	10	kV/mm	JIS K6911
Insulation Resistance			JIS K6911
-- ²	1.0E+10	ohms	
-- ³	1.0E+9	ohms	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94
NOTE			
1.	60 V/sec		

2.	Before Boiling
3.	After Boiling

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