

# SumiDurez PM 8235

Phenolic

SumiDurez Singapore Pte Ltd

## Message:

PM 8235 Phenolic is a two-stage special purpose molding compound. It is designed for electrical applications requiring good heat/flame resistance. Typical applications include coil bobbins, switches, and connectors.  
JIS Type GE

General Information			
Features	Flame Retardant		
	General Purpose		
	High Heat Resistance		
Uses	Bobbins		
	Connectors		
	Electrical Parts		
	General Purpose		
	Switches		
Appearance	Black		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	JIS K6911
Apparent Density	1.09	g/cm <sup>3</sup>	JIS K6911
Molding Shrinkage - Flow (Transfer Molded)	0.85	%	JIS K6911
Water Absorption (24 hr)	0.30	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	88.0	MPa	JIS K6911
Compressive Strength	245	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m <sup>2</sup>	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	175	°C	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>1</sup>	11	kV/mm	JIS K6911
Insulation Resistance			JIS K6911
-- <sup>2</sup>	1.0E+11	ohms	
-- <sup>3</sup>	1.0E+9	ohms	

Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.790 mm)	V-0		UL 94
NOTE			
1.	60 V/sec		
2.	Before Boiling		
3.	After Boiling		

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