

GAZOLE™ 6200PF

Polybenzimidazole
Gharda Chemicals Ltd.

Message:

Product Details: Ultra high performance thermoplastic polymer, PBI Poly (2, 5 benzimidazole) blended with Polyether Ketone, semi-crystalline fine powder suitable for compression molding as well as extrusion, with easy flow, dark brown in color.
Application Areas: Suitable for high temperature applications under extreme load, Excellent wear resistance, suitable for semiconductor applications and plasma handling equipments.

General Information			
Features	Good Flow		
	Good Wear Resistance		
	High Heat Resistance		
	Semi Crystalline		
Uses	Electrical/Electronic Applications		
	High Temperature Applications		
Appearance	Brown		
Forms	Powder		
Processing Method	Compression Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.20	g/cm ³	ASTM D1895B
Particle Size Distribution			
D(.99)	< 100.0	µm	
D(50)	< 10.0	µm	
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	300	°C	UL 746B
Glass Transition Temperature	152	°C	ASTM D3418
Melting Temperature	372	°C	ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	V-0	UL 94	
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (400°C, 1000 sec ⁻¹)	300 to 350	Pa · s	ASTM D3835

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