

Bergamid™ B70 G40 H BK039

Polyamide 6
PolyOne Corporation

Message:
Heat resistant

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Heat resistance, medium		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Molding Shrinkage	0.30 - 0.50	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	185	MPa	ISO 527-2
Flexural Modulus	11000	MPa	ISO 178
Flexural Stress	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	13	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	215	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	240 - 280	°C	
Middle Temperature	240 - 280	°C	
Front Temperature	240 - 280	°C	
Mold Temperature	65.0 - 85.0	°C	
Injection instructions			

Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW

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