

Bergamid™ B70 G50 BK055

Polyamide 6
PolyOne Corporation

Message:
Glass fiber reinforced PA6 compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage	0.10 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	200	MPa	ISO 1183
Flexural Modulus ²	13000	MPa	ISO 178
Flexural Stress ³	320	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
Heat Deflection Temperature (1.8 MPa, Unannealed)	215	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	240 - 280	°C	
Mold Temperature	65.0 - 85.0	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	5.0 mm/min		
2.	2.0 mm/min		
3.	2.0 mm/min		

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