

Bergamid™ B70 GK/Mi30 BK

Polyamide 6

PolyOne Corporation

Message:

6016158

General Information			
Filler / Reinforcement	Glass Bead\Mineral,30% Filler by Weight		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	Good UV Resistance		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.37	g/cm ³	ISO 1183
Molding Shrinkage - Flow ² (23°C, 4.00 mm, Injection Molded)	1.0 to 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	5300	MPa	ISO 527-2/1
Tensile Strength ³ (23°C, 4.00 mm, Injection Molded)	68.0	MPa	ISO 527
Tensile Elongation ⁴ (Break, 23°C, 4.00 mm)	> 4.0	%	ISO 527
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
-30°C	2.0	kJ/m ²	ISO 179
23°C	2.4	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			
-30°C, Injection Molded	25	kJ/m ²	ISO 179
23°C, Injection Molded	31	kJ/m ²	ISO 179
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm, ALL)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	4.0	hr
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	65.0 to 85.0	°C

NOTE		
1.	±0.03	
2.	Bergmann Method	
3.	5.0 mm/min	
4.	5.0 mm/min	

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