



# Bergamid™ B70 GK/Mi30 BK

## Polyamide 6

### Key Characteristics

Product Description	
6016158	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Bead/Mineral, 30% Filler by Weight
Features	• Good Dimensional Stability • Good Stiffness • Good Impact Resistance • UV Resistant
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity <sup>2</sup>	1.37	1.37	ISO 1183
Molding Shrinkage - Flow <sup>3</sup> 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	0.010 to 0.015 in/in	1.0 to 1.5 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	769000 psi	5300 MPa	ISO 527-2/1
Tensile Strength <sup>4</sup> 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	9860 psi	68.0 MPa	ISO 527
Tensile Elongation <sup>4</sup> Break, 73°F (23°C), 0.157 in (4.00 mm)	> 4.0 %	> 4.0 %	ISO 527
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength -22°F (-30°C)	0.95 ft·lb/in <sup>2</sup>	2.0 kJ/m <sup>2</sup>	ISO 179
73°F (23°C)	1.1 ft·lb/in <sup>2</sup>	2.4 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength -22°F (-30°C), Injection Molded	12 ft·lb/in <sup>2</sup>	25 kJ/m <sup>2</sup>	ISO 179
73°F (23°C), Injection Molded	15 ft·lb/in <sup>2</sup>	31 kJ/m <sup>2</sup>	
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+15 ohms	1.0E+15 ohms	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm), ALL)	HB	HB	Internal Method

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80.0 °C

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Injection	Typical Value (English)	Typical Value (SI)
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	464 to 536 °F	240 to 280 °C
Mold Temperature	149 to 185 °F	65.0 to 85.0 °C

**Notes**<sup>1</sup> Typical values are not to be construed as specifications.<sup>2</sup> ±0.03<sup>3</sup> Bergmann Method<sup>4</sup> 0.20 in/min (5.0 mm/min)**CONTACT INFORMATION****Americas**United States - Avon Lake  
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