



Bergamid™ B70 GK/MI15 black

Polyamide 6

Key Characteristics

Product Description	
6016158	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Bead/Mineral, 15% 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 ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity ²	1.24	1.24	ISO 1183
Molding Shrinkage - Flow ³ 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	0.015 to 0.020 in/in	1.5 to 2.0 %	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	638000 psi	4400 MPa	ISO 527-2/1
Tensile Strength ⁴ 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	10600 psi	73.0 MPa	ISO 527
Tensile Strain Break, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	3.0 %	3.0 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.7 ft·lb/in ²	3.6 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C), Injection Molded	24 ft·lb/in ²	50 kJ/m ²	ISO 179
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
Glow Wire Flammability Index 0.12 in (3.0 mm)	1380 °F	750 °C	IEC 60695-2-12

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Processing Information

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

¹ Typical values are not to be construed as specifications.

² ±0.03

³ Bergmann Method

⁴ 0.20 in/min (5.0 mm/min)

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