



Bergamid™ B70 GK30 blue 526

Polyamide 6

Key Characteristics

Product Description	
6016158	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Bead, 30% Filler by Weight
Features	• Good Dimensional Stability • Halogen Free
RoHS Compliance	• RoHS Compliant
Appearance	• Blue
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity ²	1.35	1.35	ISO 1183
K-Value	72.0 to 77.0	72.0 to 77.0	ISO 1628-2
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus			ISO 527-2/1
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	508000 psi	3500 MPa	
Tensile Strength ³			ISO 527
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	7980 psi	55.0 MPa	
Tensile Strain			ISO 527-2/5
Break, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	6.0 %	6.0 %	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	> 1.4 ft·lb/in ²	> 3.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C), Injection Molded	14 ft·lb/in ²	30 kJ/m ²	
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 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	464 to 536 °F	240 to 280 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

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Notes

¹ Typical values are not to be construed as specifications.² ±0.03³ 0.20 in/min (5.0 mm/min)

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