



Bergamid™ B70 G10 blue VN7756 FD

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Appearance	• Blue
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	638000 psi	4400 MPa	ISO 527-2
Tensile Stress (Break)	13100 psi	90.0 MPa	ISO 527-2
Tensile Strain (Break)	2.0 to 11 %	2.0 to 11 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	1.2 ft·lb/in ²	2.5 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	13 ft·lb/in ²	27 kJ/m ²	ISO 179

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Rear Temperature	428 to 518 °F	220 to 270 °C
Middle Temperature	428 to 518 °F	220 to 270 °C
Front Temperature	428 to 518 °F	220 to 270 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.