



Bergamid™ B70 G30 WHITE 120

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Good Dimensional Stability • Good Stiffness • Good Flow • Halogen Free
RoHS Compliance	• RoHS Compliant
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
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	1.16E+6 psi	8000 MPa	ISO 527-2
Tensile Strength 73°F (23°C), 0.157 in (4.00 mm)	24700 psi	170 MPa	ISO 527
Tensile Elongation Break, 73°F (23°C), 0.157 in (4.00 mm)	2.0 %	2.0 %	ISO 527
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	5.5 ft·lb/in ²	12 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	24 ft·lb/in ²	50 kJ/m ²	ISO 179
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating 0.03 to 0.12 in (0.8 to 3.0 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	500 to 554 °F	260 to 290 °C
Mold Temperature	122 to 194 °F	50 to 90 °C

Notes

¹ Typical values are not to be construed as specifications.

² ±0.02