

Bergamid™ B65 G15 white 1 So

Polyamide 6

Key Characteristics

Product Description	
Glass fiber reinforced PA6 compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Appearance	• White
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.23 g/cm ³	1.23 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	6.0 g/10 min	6.0 g/10 min	
260°C/2.16 kg	19 g/10 min	19 g/10 min	
Molding Shrinkage			ISO 294
Across Flow	0.60 to 0.80 %	0.60 to 0.80 %	
Flow	0.30 to 0.50 %	0.30 to 0.50 %	
Water Absorption (24 hr, 73°F (23°C))	1.2 %	1.2 %	ISO 62
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	798000 psi	5500 MPa	ISO 527-1
Tensile Stress	14600 psi	101 MPa	ISO 527-2
Tensile Strain (Break)	3.4 %	3.4 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.5 ft·lb/in ²	3.2 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (73°F (23°C))	16 ft·lb/in ²	35 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	410 °F	210 °C	ISO 75-2/B
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	365 °F	185 °C	ISO 75-2/A
Melting Temperature	> 428 °F	> 220 °C	DSC

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	500 to 554 °F	260 to 290 °C
Mold Temperature	122 to 194 °F	50 to 90 °C

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Technical Data Sheet

Notes

¹ Typical values are not to be construed as specifications.

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