



Bergamid™ A700 G15 H BK017

Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Appearance	• Black
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.24 g/cm ³	1.24 g/cm ³	ISO 1183
Molding Shrinkage - Flow	6.0E-3 to 0.010 in/in	0.60 to 1.0 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress	17400 psi	120 MPa	ISO 527-2
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2
Flexural Modulus	725000 psi	5000 MPa	ISO 178
Flexural Stress	26100 psi	180 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	2.4 ft-lb/in ²	5.0 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.126 in (3.20 mm)	446 °F	230 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.028 in (0.70 mm))	HB	HB	Internal Method

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80.0 to 90.0 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Rear Temperature	500 to 536 °F	260 to 280 °C
Middle Temperature	500 to 536 °F	260 to 280 °C
Front Temperature	500 to 536 °F	260 to 280 °C
Mold Temperature	149 to 185 °F	65.0 to 85.0 °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.

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