



# Bergamid™ B700 G30 H NC115

## Polyamide 6

### Key Characteristics

Product Description	
Glass fiber reinforced PA6 compound with heat stabilized.	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Heat Stabilized
Appearance	• Natural Color
Processing Method	• Injection Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.36	1.36	ISO 1183
Molding Shrinkage	0.30 to 0.60 %	0.30 to 0.60 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	23900 psi	165 MPa	ISO 527-2
Flexural Modulus	1.13E+6 psi	7800 MPa	ISO 178
Flexural Strength	34800 psi	240 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	5.7 ft·lb/in <sup>2</sup>	12 kJ/m <sup>2</sup>	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.126 in (3.20 mm)	410 °F	210 °C	ASTM D648
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			
0.028 in (0.70 mm)	HB	HB	UL 94
0.06 in (1.5 mm)	HB	HB	Internal Method
0.12 in (3.0 mm)	HB	HB	Internal Method

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 212 °F	80 to 100 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 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 176 °F	60 to 80 °C

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

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## Notes

<sup>1</sup> Typical values are not to be construed as specifications.

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