



# Bergamid™ B70 G25 natural TM-Z

## Polyamide 6

### Key Characteristics

Product Description	
Glass fiber reinforced PA6 compound with impact modified	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Features	• Excellent Processability • Impact Modified
Appearance	• Black
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.24 g/cm <sup>3</sup>	1.24 g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow 73°F (23°C), 0.157 in (4.00 mm)	0.20 to 0.60 %	0.20 to 0.60 %	Internal Method
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.00E+6 psi	6900 MPa	ISO 527-2
Tensile Strength	17400 psi	120 MPa	ISO 527-2
Tensile Strain (Break)	5.0 to 7.0 %	5.0 to 7.0 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	14 ft·lb/in <sup>2</sup>	30 kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	40 ft·lb/in <sup>2</sup>	85 kJ/m <sup>2</sup>	ISO 179

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80 to 90 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	464 to 536 °F	240 to 280 °C
Mold Temperature	149 to 185 °F	65 to 85 °C

### Injection Notes

Injection Pressure: MED-HIGH

Hold Pressure: MED-HIGH

Screw Speed: MODERATE

Back Pressure: LOW

### Notes

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

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