



# Bergamid™ B70 G15 Black TM

## Polyamide 6

### Key Characteristics

#### Product Description

Glass fiber reinforced PA6 compound with impact modified

#### General

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

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Molding Shrinkage	0.50 to 0.90 %	0.50 to 0.90 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	740000 psi	5100 MPa	ISO 527-2
Tensile Strength	14500 psi	100 MPa	ISO 527-2
Tensile Stress (Break)	580 to 725 psi	4.00 to 5.00 MPa	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	9.5 ft·lb/in <sup>2</sup>	20 kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	36 ft·lb/in <sup>2</sup>	75 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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