



# Bergamid™ B750 L Grey 7035

## Polyamide 6

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East	• Asia Pacific	• Europe
Features	• Impact Modified		
Appearance	• Grey		
Forms	• Pellets		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.06 to 1.10 g/cm <sup>3</sup>	1.06 to 1.10 g/cm <sup>3</sup>	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	377000 psi	2600 MPa	ISO 527-2
Tensile Stress	9430 psi	65.0 MPa	ISO 527-2
Tensile Strain (Break)	30 %	30 %	ISO 527-2
Flexural Stress	14500 psi	100 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	> 9.5 ft·lb/in <sup>2</sup>	> 20 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179/1eU
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	140 °F	60.0 °C	ISO 75-2/A
Maximum Use Temperature			IEC 60216
Continuous	194 °F	90 °C	
Short Time	356 °F	180 °C	
Melting Temperature (DSC)	419 to 437 °F	215 to 225 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Comparative Tracking Index	500 V	500 V	IEC 60112
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	HB	HB	UL 94
FMVSS Flammability	< 3.9 in/min	< 100 mm/min	DIN 75200

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	104 to 176 °F	40 to 80 °C
Holding Pressure	7250 to 14500 psi	50.0 to 100 MPa

### Notes

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

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