



Bergamid™ B70 BLACK TM-ZG

Polyamide 6

Key Characteristics

Product Description	
PA6 Compound with Impact Modified.	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• Impact Modified
Appearance	• Black

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity ²	1.08	1.08	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	247000 psi	1700 MPa	ISO 527-2
Tensile Stress (Break)	6530 psi	45.0 MPa	ISO 527-2
Nominal Tensile Strain at Break	50 %	50 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	9.5 ft·lb/in ²	20 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179
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
Melting Temperature (DSC)	433 °F	223 °C	ISO 3146
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating ³			UL 94
0.031 in (0.8 mm)	HB	HB	
0.06 in (1.6 mm)	HB	HB	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	< 0.10 %	< 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C

Notes

¹ Typical values are not to be construed as specifications.

² +/-0.02

³ PolyOne internally