



Bergamid™ B70 NATURAL TM-Z S06

Polyamide 6

Key Characteristics

Product Description	
Impact modified PA6 compound.	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Halogen Free • Impact Modified
Appearance	• Natural Color
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06	ASTM D792
Molding Shrinkage	1.4 to 1.9 %	1.4 to 1.9 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ²	5080 psi	35.0 MPa	ASTM D638
Flexural Modulus ³	145000 psi	1000 MPa	ASTM D790
Flexural Strength ³	5800 psi	40.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	48 ft·lb/in ²	100 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	122 °F	50.0 °C	ASTM D648
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	> 1.0E+12 ohms	> 1.0E+12 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	HB	HB	Internal Method

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80 to 90 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 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

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)