



Bergamid™ B700 BK731

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Medium Heat Resistance
Appearance	• Black
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	8120 psi	56.0 MPa	ASTM D638
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.126 in (3.20 mm)	0.58 ft-lb/in	31 J/m	ASTM D256

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	194 to 230 °F	90 to 110 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Rear Temperature	464 to 518 °F	240 to 270 °C
Middle Temperature	464 to 518 °F	240 to 270 °C
Front Temperature	464 to 518 °F	240 to 270 °C
Mold Temperature	194 to 230 °F	90 to 110 °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.