



Bergamid™ B70 H Black TM-WF SO4

Polyamide 6

Key Characteristics

Product Description

PA6 Compound with Impact Modified.

General

Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• Heat Stabilized • High Impact Resistance
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	0.980 g/cm ³	0.980 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	87000 psi	600 MPa	ISO 527-2
Tensile Stress (Break)	3630 psi	25.0 MPa	ISO 527-2
Nominal Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2
Flexural Modulus	79800 psi	550 MPa	ISO 178
Flexural Stress	2900 psi	20.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	43 ft·lb/in ²	90 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179

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
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

¹ Typical values are not to be construed as specifications.

² +/- 0.02