



Bergamid™ B70 H TM-WF

Polyamide 6

Key Characteristics

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.00	1.00	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	97200 psi	670 MPa	ISO 527-2
Tensile Stress (Break)	4640 psi	32.0 MPa	ISO 527-2
Tensile Strain (Yield)	240 %	240 %	ISO 527-2
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)	47 ft·lb/in ²	99 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	158 °F	70.0 °C	ISO 75-2/B
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 ²			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	455 to 500 °F	235 to 260 °C

Notes

¹ Typical values are not to be construed as specifications.

² PolyOne internally