



Bergamid™ B70 GK20 BLACK UV TM-X

Polyamide 6

Key Characteristics

Product Description	
6024019	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe
Filler / Reinforcement	• Glass Bead, 20% Filler by Weight
Features	• Impact Modified • UV Stabilized
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 / Specific Gravity ²	1.26	1.26	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	413000 psi	2850 MPa	ISO 527-2
Tensile Stress (Break)	6960 psi	48.0 MPa	ISO 527-2
Tensile Strain (Break)	> 7.0 %	> 7.0 %	ISO 527-2
Flexural Modulus	377000 psi	2600 MPa	ISO 178
Flexural Stress	10900 psi	75.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	2.4 ft-lb/in ²	5.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	18 ft-lb/in ²	38 kJ/m ²	ISO 179
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm), ALL)	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Suggested Max Moisture	< 0.10 %	< 0.10 %
Processing (Melt) Temp	464 to 536 °F	240 to 280 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

Notes

¹ Typical values are not to be construed as specifications.

² +-0.02 g/cm³

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