



Bergamid™ B70 GK30 black TM-Y

Polyamide 6

Key Characteristics

Product Description	
6024019	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe
Filler / Reinforcement	• Glass Bead, 30% Filler by Weight
Features	• Impact Modified
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	1.31	1.31	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	406000 psi	2800 MPa	ISO 527-2
Tensile Stress (Break)	6530 psi	45.0 MPa	ISO 527-2
Tensile Strain (Break)	> 7.0 %	> 7.0 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	6.7 ft·lb/in ²	14 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	33 ft·lb/in ²	70 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