



Bergamid™ B70 G30 TM-YF black

Polyamide 6

Key Characteristics

Product Description	
6016158	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Good Stiffness • Halogen Free • High Impact Resistance
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density / Specific Gravity ²	1.30	1.30		ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2/1
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	1.02E+6 (7000)	1.02E+6 (7000)	psi (MPa)	
Tensile Strength ³				ISO 527
73°F (23°C), 0.157 in (4.00 mm)	16700 (115)	16700 (115)	psi (MPa)	
Tensile Elongation ³				ISO 527
Break, 73°F (23°C), 0.157 in (4.00 mm)	> 25	> 25	%	
Flexural Modulus (73°F (23°C))	943000 (6500)	943000 (6500)	psi (MPa)	ISO 178
Flexural Stress (73°F (23°C))	25400 (175)	25400 (175)	psi (MPa)	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F (23°C))	11 (23)	11 (23)	ft-lb/in ² (kJ/m ²)	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179
73°F (23°C), Injection Molded	38 (80)	38 (80)	ft-lb/in ² (kJ/m ²)	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ISO 75-2
66 psi (0.45 MPa), Unannealed, 0.157 in (4.00 mm)	401 (205)	401 (205)	°F (°C)	
Deflection Temperature Under Load				ISO 75-2
264 psi (1.8 MPa), Unannealed, 0.157 in (4.00 mm)	374 (190)	374 (190)	°F (°C)	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+15	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+15	1.0E+15	ohms·cm	ASTM D257

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Processing Information

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
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 ±0.03

³ 0.20 in/min (5.0 mm/min)

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