



Bergamid™ B70 GK30

Polyamide 6

Key Characteristics

Product Description	
PA6 + Glass Bead	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Bead, 30% Filler by Weight
Features	• Good Dimensional Stability
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity ²	1.35	1.35	ISO 1183
Molding Shrinkage	1.1 %	1.1 %	ISO 294-4
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus			ISO 527-2/1
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	508000 psi	3500 MPa	
Tensile Strength ³			ISO 527
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	8700 psi	60.0 MPa	
Tensile Strain			ISO 527-2/5
Break, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	5.0 %	5.0 %	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	> 1.4 ft·lb/in ²	> 3.0 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C), Injection Molded	17 ft·lb/in ²	35 kJ/m ²	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Continuous Use Temperature	-22.0 to 194 °F	-30.0 to 90.0 °C	Internal Method
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+13 ohms	1.0E+13 ohms	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Burning Rate ⁴ (0.0630 in (1.60 mm))	< 3.9 in/min	< 100 mm/min	FMVSS
Flame Rating (0.12 in (3.0 mm), ALL)	HB	HB	Internal Method

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr

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Injection	Typical Value (English)	Typical Value (SI)
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 ±0.03

³ 0.20 in/min (5.0 mm/min)

⁴ on referring to FMVSS302

CONTACT INFORMATION**Americas**

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbastro (Huesca)
+34 974 310 314



Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giallewee
+352 269 050 35

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