



Bergamid™ A70 G30 TF15 H MOS2

Polyamide 66

Key Characteristics

Product Description	
Glass Fiber Reinforced PA66 Compound with Heat resistant	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight • PTFE Micropowder, 15% Filler by Weight
Features	• Good Processing Stability • Heat Stabilized • Low Friction • Lubricated • Wear Resistant
Appearance	• Dark Grey
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density (73°F (23°C))	1.49 g/cm ³	1.49 g/cm ³	ISO 1183
Molding Shrinkage ²	0.30 to 0.60 %	0.30 to 0.60 %	ASTM D955
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	1.45E+6 psi	10000 MPa	
Tensile Stress			ISO 527-2/5
Break, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	23200 psi	160 MPa	
Tensile Strain			ISO 527-2/5
Break, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	3.0 %	3.0 %	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C), Injection Molded	4.3 ft·lb/in ²	9.0 kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
73°F (23°C), Injection Molded	38 ft·lb/in ²	80 kJ/m ²	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	473 °F	245 °C	
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+15 ohms	1.0E+15 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	Internal Method

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80.0 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Rear Temperature	464 to 536 °F	240 to 280 °C
Middle Temperature	464 to 536 °F	240 to 280 °C

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Injection	Typical Value (English)	Typical Value (SI)
Front Temperature	464 to 536 °F	240 to 280 °C
Mold Temperature	149 to 185 °F	65.0 to 85.0 °C

Injection Notes
 Injection Pressure: MED-HIGH
 Hold Pressure: MED-HIGH
 Screw Speed: MODERATE
 Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.

² bergmann method

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