



# Bergamid™ AB70 G40 H UF Natural

## Polyamide 66/6 Copolymer

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Features	• Good Dimensional Stability • Good Stiffness
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity <sup>2</sup>	1.53	1.53	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	2.18E+6 psi	15000 MPa	ISO 527-2/1
Tensile Strength <sup>3</sup> 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	21000 psi	145 MPa	ISO 527
Tensile Elongation <sup>3</sup> Break, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	2.2 %	2.2 %	ISO 527
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength 73°F (23°C), Injection Molded	3.3 ft·lb/in <sup>2</sup>	7.0 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C), Injection Molded	22 ft·lb/in <sup>2</sup>	47 kJ/m <sup>2</sup>	ISO 179
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Comparative Tracking Index	600 V	600 V	IEC 60112
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.12 in (3.0 mm))	V-0	V-0	UL 94

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80.0 to 90.0 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	482 to 554 °F	250 to 290 °C
Mold Temperature	122 to 194 °F	50.0 to 90.0 °C

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> ±0.03

<sup>3</sup> 0.20 in/min (5.0 mm/min)

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