



## Bergamid™ A65 G/Mi40 black Polyamide 66

### Key Characteristics

Product Description	
Polyamide 66 (Nylon 66) product filled with glass fiber and mineral fillers.	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber • Mineral
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density <sup>2</sup>	1.38 g/cm <sup>3</sup>	1.38 g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 73°F (23°C), 0.0787 in (2.00 mm)	0.40 to 1.0 %	0.40 to 1.0 %	
Flow : 73°F (23°C), 0.0787 in (2.00 mm)	0.10 to 0.50 %	0.10 to 0.50 %	
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.07E+6 psi	7400 MPa	ISO 527-2
Tensile Stress (Break)	16000 psi	110 MPa	ISO 527-2
Tensile Strain (Break)	> 2.0 %	> 2.0 %	ISO 527
Flexural Modulus	943000 psi	6500 MPa	ISO 178
Flexural Stress	21000 psi	145 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.9 ft·lb/in <sup>2</sup>	6.0 kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	19 ft·lb/in <sup>2</sup>	40 kJ/m <sup>2</sup>	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	437 °F	225 °C	ISO 75-2/A
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+12 ohms	1.0E+12 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	IEC 60093
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	HB	HB	UL 94
FMVSS Flammability	< 3.9 in/min	< 100 mm/min	DIN 75200

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	545 °F	285 °C
Mold Temperature	122 to 194 °F	50 to 90 °C

**Notes**

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

<sup>2</sup> ±0.02

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