



## Bergamid™ A70 G/MI45 natural 70 Polyamide 66

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass/Mineral, 45% Filler by Weight

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

	Typical Value (English)	Typical Value (SI)	Test Method
<b>Physical</b>			
Density <sup>2</sup>	1.53 g/cm <sup>3</sup>	1.53 g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Modulus	1.60E+6 psi	11000 MPa	ISO 527-2
Tensile Stress (Break)	18100 psi	125 MPa	ISO 527-2
Tensile Strain (Break)	2.0 to 3.0 %	2.0 to 3.0 %	ISO 527-2
<b>Impact</b>			
Notched Izod Impact Strength	2.9 ft·lb/in <sup>2</sup>	6.0 kJ/m <sup>2</sup>	ISO 180
<b>Thermal</b>			
Melting Temperature (DSC)	491 to 509 °F	255 to 265 °C	ISO 3146
<b>Flammability</b>			
Burning Rate (0.0630 in (1.60 mm))	< 3.9 in/min	< 100 mm/min	FMVSS
Flame Rating (0.12 in (3.0 mm))	HB	HB	UL 94

### Processing Information

	Typical Value (English)	Typical Value (SI)
<b>Injection</b>		
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	536 to 572 °F	280 to 300 °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