



# Bergamid™ A70 G15 TM-ZA

## Polyamide 66

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Additive	• Impact Modifier
Features	• General Purpose
Forms	• Granules
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.23 g/cm <sup>3</sup>	1.23 g/cm <sup>3</sup>	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	682000 psi	4700 MPa	ISO 527-2/1
Tensile Stress (Break, 73°F (23°C))	13100 psi	90.0 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	3.0 %	3.0 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	3.8 ft·lb/in <sup>2</sup>	8.0 kJ/m <sup>2</sup>	
73°F (23°C)	5.2 ft·lb/in <sup>2</sup>	11 kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179
-22°F (-30°C)	26 ft·lb/in <sup>2</sup>	55 kJ/m <sup>2</sup>	
73°F (23°C)	31 ft·lb/in <sup>2</sup>	65 kJ/m <sup>2</sup>	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Melting Temperature (DSC)	502 °F	261 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+13 ohms	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	IEC 60093

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	< 0.10 %	< 0.10 %
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.