



# Bergamid™ A70 G25 U-SO Black T 70

## Polyamide 66

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Features	• Flame Retardant • Good Stiffness • Good Impact Resistance • Good Strength
Uses	• Automotive Applications • General Purpose • Consumer Applications • Industrial Applications
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.36	1.36	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.20E+6 psi	8300 MPa	ISO 527-2/1
Tensile Stress	19600 psi	135 MPa	ISO 527-2/5
Tensile Elongation <sup>2</sup> (Break)	2.5 %	2.5 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	3.1 ft-lb/in <sup>2</sup>	6.5 kJ/m <sup>2</sup>	ISO 180/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.6 mm)	V-0	V-0	
0.08 in (2.0 mm)	5VA	5VA	
Glow Wire Flammability Index			IEC 60695-2-12
0.08 in (2.0 mm)	1760 °F	960 °C	

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	518 to 536 °F	270 to 280 °C
Middle Temperature	527 to 545 °F	275 to 285 °C
Front Temperature	536 to 554 °F	280 to 290 °C
Nozzle Temperature	554 to 572 °F	290 to 300 °C
Mold Temperature	176 °F	80 °C

### Notes

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

<sup>2</sup> 0.20 in/min (5.0 mm/min)