



# Bergamid™ A70 UF Grey VN-3921

## Polyamide 66

### Key Characteristics

#### Product Description

PA66 unreinforced  
general-purpose injection molding grade

#### General

Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• Flame Retardant
Uses	• Electrical/Electronic Applications
RoHS Compliance	• RoHS Compliant
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.21 g/cm <sup>3</sup>	1.21 g/cm <sup>3</sup>	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	566000 psi	3900 MPa	ISO 527-2/1
Tensile Stress (Yield, 73°F (23°C))	10400 psi	72.0 MPa	ISO 527-2/50
Tensile Strain (Yield, 73°F (23°C))	10 %	10 %	ISO 527-2/50
Flexural Modulus	431000 psi	2970 MPa	ISO 178
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.31 in (8.0 mm))	V-0	V-0	UL 94
Glow Wire Flammability Index 0.02 to 0.12 in (0.4 to 3.0 mm)	1560 °F	850 °C	IEC 60695-2-12

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature - Desiccant Dryer	176 °F	80.0 °C
Drying Time - Desiccant Dryer	4.0 hr	4.0 hr
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
Mold Temperature	104 to 176 °F	40.0 to 80.0 °C

#### Notes

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

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