



# Bergamid™ A700 G25 HW UF

PolyOne Corporation - Polyamide 66

9/9/2009

## General Information

### General

Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Asia Pacific • Europe
Filler / Reinforcement	• Glass Fiber Reinforcement, 25% Filler by Weight
Additive	• Heat Stabilizer
Features	• Flame Retardant • Heat Stabilized • Halogen Free • Low (to None) Phosphorus Content
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value Unit	Test Method
Density <sup>2</sup>	1.40 g/cm <sup>3</sup>	DIN 53479
Ash Content	25 %	ISO 3451
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus (73°F)	1.39E+6 psi	ISO 527-2/1
Tensile Stress (Break, 73°F)	13800 psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.2 %	ISO 527-2/5
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (73°F)	7.0 ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	50 ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	482 °F	ISO 75-2/B
Melting Temperature (DSC)	502 °F	ISO 3146
Maximum Use Temperature		IEC 60216
Continuous (GTP 50% Tensile)	266 °F	
Short Time	428 °F	
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+10 ohms	IEC 60093
Volume Resistivity	1.0E+12 ohm·cm	IEC 60093
Comparative Tracking Index (Solution A)	600 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating - UL (0.0315 in, ALL)	V-0	Internal Method
Glow Wire Ignition Temperature <sup>3</sup> (0.118 in)	1760 °F	IEC 60695-2-13

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> ±0.03 g/cm<sup>3</sup>

<sup>3</sup> 0.8 mm wire

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