

Bergamid™ A700 G25 HW UF

Polyamide 66
PolyOne Corporation

Message:

Bergamid™ A700 G25 HW UF is a Polyamide 66 (Nylon 66) product filled with 25% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or North America.

Characteristics include:

- Flame Rated
- RoHS Compliant
- Flame Retardant
- Halogen Free
- Heat Stabilizer

General Information			
UL YellowCard	E76261-464119		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
	Low (to None) Phosphorus Content		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.40	g/cm³	DIN 53479
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	110	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.4	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	48	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	250	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ISO 75-2/A
Melting Temperature (DSC)	261	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Comparative Tracking Index (CTI)	550	V	UL 746

Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.400 to 3.00 mm, ALL)	V-0		Internal Method
Glow Wire Flammability Index (0.800 to 3.00 mm)	960	°C	IEC 60695-2-12
NOTE			
1.	±0.03 g/cm ³		

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