

Bergamid™ A70 G25 U-SO TM

Polyamide 66
PolyOne Corporation

Message:

Bergamid™ A70 G25 U-SO TM is a Polyamide 66 (Nylon 66) product filled with 25% glass fiber. It is available in Europe.
Characteristics include:
Flame Rated
RoHS Compliant
Flame Retardant
Halogen Free
Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
	High Impact Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.40	g/cm ³	DIN 53479
Ash Content	> 25	%	ISO 3451
Maximum Use Temperature			IEC 60216
-- ²	120	°C	
Short Time	220	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	8000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm, Injection Molded)	125	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	> 2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (-30°C)	55	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
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 (Solution A)	> 400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 to 3.00 mm, ALL)	V-0		UL 94
Glow Wire Flammability Index (0.800 to 3.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.60 mm	750	°C	
3.00 mm	775	°C	
NOTE			
1.	±0.03 g/cm ³		
2.	Continuous (GTP 50% Tensile)		

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