

Bergamid™ A70 GK30 H

Polyamide 66
PolyOne Corporation

Message:

Bergamid™ A70 GK30 H is a Polyamide 66 (Nylon 66) product filled with 30% glass bead. It is available in Africa & Middle East, Asia Pacific, or Europe. Characteristics include:

Flame Rated
RoHS Compliant

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.34	g/cm ³	DIN 53479
K-Value ²	74.0 to 78.0		
Ash Content	30	%	
Maximum Use Temperature			IEC 60216
-- ³	110	°C	
Short Time	220	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ⁴ (23°C, 4.00 mm)	4000 to 4800	MPa	ISO 527-2/1
Tensile Stress ⁵ (Yield, 23°C, 4.00 mm)	60.0 to 90.0	MPa	ISO 527-2/5
Tensile Strain ⁶ (Yield, 23°C, 4.00 mm)	2.5 to 4.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁷ (23°C)	25 to 40	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength ⁸ (23°C)	2.5 to 4.2	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	190	°C	ISO 75-2/B
1.8 MPa, Unannealed	105	°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
Electric Strength	60	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

0.800 mm	HB
1.60 mm	HB
NOTE	
1.	$\pm 0.03 \text{ g/cm}^3$
2.	96% H ₂ SO ₄
3.	Continuous (GTP 50% Tensile)
4.	depending on color
5.	depending on color
6.	depending on color
7.	depending on color
8.	depending on color

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