

Bergamid™ A70 GK30 black 13539126

Polyamide 66

PolyOne Corporation

Message:

Bergamid™ A70 GK30 black 13539126 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		
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 (23°C)	4800	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	90.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	24	kJ/m ²	
23°C	28	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	2.0	kJ/m ²	
23°C	3.0	kJ/m ²	
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)		

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