

Bergamid™ A70 G60 natural

Polyamide 66

PolyOne Corporation

Message:

Bergamid™A70 G60 natural is a polyamide 66 (nylon 66) product, which contains a 60% glass fiber reinforced material. It can be processed by injection molding and is available in Europe. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 60% filler by weight		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.70	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	19000	MPa	ISO 527-2/1
Tensile Strength ¹ (23°C, 4.00 mm, Injection Molded)	250	MPa	ISO 527
Tensile Strain (Break)	2.4	%	ISO 527
Flexural Modulus	18000	MPa	ISO 178
Flexural Strength	342	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	100	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	250	°C	ISO 75-2/B
1.8 MPa, not annealed	250	°C	ISO 75-2/A
Continuous Use Temperature	130	°C	IEC 216
Melting Temperature (DSC)	255 - 265	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80 - 100	°C	
NOTE			

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