

Bergamid™ A70 G50 U

Polyamide 66
PolyOne Corporation

Message:

Bergamid™A70 G50 U is a polyamide 66 (nylon 66) product, which contains a 50% glass fiber reinforced material. It is available in Europe.
Features include:
flame retardant/rated flame
ROHS certification
Flame Retardant
Good dimensional stability

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 50% filler by weight		
Features		Good dimensional stability		
		Flame retardancy		
RoHS Compliance		RoHS compliance		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density ¹ (23°C)	1.80	--	g/cm ³	DIN 53479
Ash Content	> 50	--	%	ISO 3451
Maximum Service Temperature				IEC 60216
-- ²	120	--	°C	IEC 60216
Short Time	220	--	°C	IEC 60216
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	17500	14500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm)	180	160	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm)	2.0	3.0	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-30°C	7.0	--	kJ/m ²	ISO 179
23°C	8.5	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength				ISO 179
-30°C	50	--	kJ/m ²	ISO 179
23°C	55	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	250	--	°C	ISO 75-2/B
Melting Temperature (DSC)	261	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	--	ohms	IEC 60093
Volume Resistivity	1.0E+15	--	ohms·cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.8 to 3.0mm, ALL)	V-0	--		Internal method
Glow Wire Flammability Index (0.8 to 3.0mm)	960	--	°C	IEC 60695-2-12

NOTE				
1.	±0.03 g/cm ³			
2.	Continuous (GTP 50% Tensile)			

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