

Badamid® A70 GK15 TM-Z3

Polyamide 66

Bada AG

Message:

Badamid® A70 GK15 TM-Z3 is a polyamide 66 (nylon 66) material containing 15% glass beads. This product is available in Europe. Badamid® The main characteristics of A70 GK15 TM-Z3 are: flame retardant/rated flame.

General Information				
Filler / Reinforcement		Glass beads, 15% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.22	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturated, 23°C	6.2	--	%	ISO 62
Equilibrium, 23°C, 50% RH	2.0	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	3700	1900	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	83.0	55.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	17	45	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	12	16	kJ/m ²	ISO 179/1eA
23°C	16	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)				ISO 179/1eU
No Break				
No Break				
Notched Izod Impact (23°C)				ISO 180/1A
17	24	kJ/m ²		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, not annealed	225	--	°C	ISO 75-2/B
1.8 MPa, not annealed	110	--	°C	ISO 75-2/A
Melting Temperature (DSC)	262	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	IEC 60093
Dielectric Constant (1 MHz)	3.40	5.40		IEC 60250
Dissipation Factor (1 MHz)	0.015	0.16		IEC 60250
Comparative Tracking Index				
500	--	V		IEC 60112

Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	HB	--		UL 94
1.60 mm	HB	--		UL 94
Additional Information				
干燥 Short-Term Heat Resistance, IEC 216, 20000 hrs: 160°C Long-Term Heat Resistance, IEC 216, 50% decrease of yield stress: 95°C				
Injection	Dry	Unit		
Processing (Melt) Temp	280 - 300		°C	
Mold Temperature	80.0 - 100		°C	
NOTE				
1.	110x10x4mm			

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