

Badamid® LA70 GF50 MoS2 1%

Polyamide 66

Bada AG

Message:

Badamid® LA70 GF50 MoS2 1% is a Polyamide 66 (Nylon 66) material filled with 50% glass fiber. It is available in Europe. Primary attribute of Badamid® LA70 GF50 MoS2 1%: Flame Rated.

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.55	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	4.0	--	%	
Equilibrium, 23°C, 50% RH	1.2	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	16800	12500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	230	180	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.5	3.5	%	ISO 527-2/5
Flexural Stress (23°C)	360	300	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	13	--	kJ/m ²	
23°C	18	25	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	85	--	kJ/m ²	
23°C	95	100	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	--	°C	ISO 75-2/A
Melting Temperature (DSC) 1	262	--	°C	ISO 3146
CLTE				DIN 53752
Flow	1.3E-5	--	cm/cm/°C	
Transverse	5.5E-5	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+10	ohms · cm	IEC 60093

Dissipation Factor (1 MHz)	0.015	0.30		IEC 60250
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	HB	--		
1.60 mm	HB	--		
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 4.0		hr	
Processing (Melt) Temp	285 to 305		°C	
Mold Temperature	80.0 to 110		°C	
NOTE				

1. 10 K/min

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