

Badamid® LB70 GF/M40

Polyamide 6

Bada AG

Message:

Badamid® LB70 GF/M40 is a Polyamide 6 (Nylon 6) material filled with 40% glass\mineral. It is available in Europe. Primary attribute of Badamid® LB70 GF/M40: Flame Rated.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	5.7 to 6.3	%	
Equilibrium, 23°C, 50% RH	1.7 to 2.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	120	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Melting Temperature (DSC) ¹	220	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			
1.	10 K/min		

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