

Badamid® LB70 GF25 H

Polyamide 6

Bada AG

Message:

Badamid® LB70 GF25 H is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Europe. Primary attribute of Badamid® LB70 GF25 H: Flame Rated.

General Information				
UL YellowCard		E189230-227333		
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.33	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	6.8 to 7.4	--	%	
Equilibrium, 23°C, 50% RH	2.1 to 2.5	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	8000	5000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	160	105	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.5	8.5	%	ISO 527-2/5
Flexural Stress (23°C)	220	150	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	--	kJ/m ²	
23°C	12	25	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	70	--	kJ/m ²	
23°C	80	110	kJ/m ²	
Notched Izod Impact Strength (23°C)				ISO 180/1A
	12	17	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	--	°C	ISO 75-2/A
Melting Temperature (DSC)				
1	220	--	°C	ISO 3146
CLTE				DIN 53752
Flow	2.0E-5 to 2.5E-5	--	cm/cm/°C	
Transverse	6.0E-5 to 7.0E-5	--	cm/cm/°C	

Maximum Service Temperature		IEC 60216		
-- ²	145	--	°C	
--	200	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+10	ohms·cm	IEC 60093
Relative Permittivity (1 MHz)	3.80	7.00		IEC 60250
Dissipation Factor (1 MHz)	0.025	0.24		IEC 60250
Comparative Tracking Index	450	--	V	IEC 60112
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	270 to 290		°C	
Mold Temperature	80.0 to 90.0		°C	
NOTE				
1.	10 K/min			
2.	20000 H			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

