

Badamid® LB70 GF M45 FR HF

Polyamide 6

Bada AG

Message:

Badamid® LB70 GF M45 FR HF is a Polyamide 6 (Nylon 6) material filled with glass\mineral. It is available in Europe. Primary attribute of Badamid® LB70 GF M45 FR HF: Flame Rated.

General Information				
UL YellowCard		E189230-227338		
Filler / Reinforcement		Glass\Mineral		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.50	--	g/cm ³	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	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	8000	4000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	105	65.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.8	5.0	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	60	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	215	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	180	--	°C	ISO 75-2/A
Melting Temperature (DSC) 1	220	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+10	ohms·cm	IEC 60093
Relative Permittivity (1 MHz)	4.50	4.00		IEC 60250
Dissipation Factor (1 MHz)	0.020	0.10		IEC 60250
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	V-2	--		

1.60 mm	V-2	--		
Glow Wire Ignition Temperature (0.750 mm)	650	--	°C	IEC 60695-2-13
Injection	Dry	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			

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

