

Badamid® LA70 GF30 H RS

Polyamide 66

Bada AG

Message:

Badamid® LA70 GF30 H RS is a Polyamide 66 (Nylon 66) material filled with 30% glass fiber. It is available in Europe. Primary attribute of Badamid® LA70 GF30 H RS: Flame Rated.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183
Water Absorption (Saturation, 23°C)	4.8	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10000	6900	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	160	100	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.5	3.7	%	ISO 527-2/5
Flexural Stress (23°C)	235	155	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.5	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	67	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	240	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	220	--	°C	ISO 75-2/A
Melting Temperature (DSC) 1	260	--	°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
Dissipation Factor (1 MHz)	0.015	--		IEC 60250
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	HB	--		UL 94
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 90.0		°C	
NOTE				

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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

