

Badamid® LA70 L

Polyamide 66

Bada AG

Message:

Badamid® LA70 L is a Polyamide 66 (Nylon 66) material. It is available in Europe. Primary attribute of Badamid® LA70 L: Flame Rated.

General Information				
UL YellowCard		E189230-580740		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.10	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	8.2	--	%	
Equilibrium, 23°C, 50% RH	2.2	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2700	1000	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	70.0	45.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	5.0	20	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	15	20	%	ISO 527-2/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40 kJ/m ²	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	200	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
Melting Temperature (DSC) 1	262	--	°C	ISO 3146
CLTE - Flow	8.5E-5	--	cm/cm/°C	DIN 53752
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
Electric Strength	120	80	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.30	5.00		IEC 60250
Dissipation Factor (1 MHz)	0.015	--		IEC 60250
Comparative Tracking Index	600	--	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	280 to 290		°C
Mold Temperature	70.0 to 90.0		°C
NOTE			
1.	10 K/min		

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