

Badamid® LA70 S K

Polyamide 66

Bada AG

Message:

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

General Information				
UL YellowCard		E189230-227349		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	8.0 to 9.0	--	%	
Equilibrium, 23°C, 50% RH	2.5 to 3.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	3500	1600	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	95.0	60.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.3	20	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	15	> 50	%	ISO 527-2/50
Flexural Stress (23°C)	3200	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179/1eU
Notched Izod Impact Strength				ISO 180/1A
-30°C	4.0	--	kJ/m ²	
23°C	4.0	30	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	75.0	--	°C	ISO 75-2/A
Melting Temperature (DSC) 1	260	--	°C	ISO 3146
CLTE - Flow	7.0E-5 to 1.0E-4	--	cm/cm/°C	DIN 53752
Maximum Service Temperature				IEC 60216
-- 2	99	--	°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)	3.20	5.00		IEC 60250
Dissipation Factor (1 MHz)	0.025	0.20		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	--		
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 4.0		hr	
Processing (Melt) Temp	280 to 300		°C	
Mold Temperature	40.0 to 80.0		°C	
NOTE				
1.	10 K/min			
2.	20000 H			

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