Badamid® LB75 S K

Polyamide 6

Bada AG

Message:

Badamid® LB75 S K is a Polyamide 6 (Nylon 6) material. It is available in Europe. Primary attribute of Badamid® LB75 S K: Flame Rated.

General Information				
UL YellowCard		E189230-580738		
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.13	--	g/cm³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	9.0 to 10	--	%	
Equilibrium, 23°C, 50% RH	2.6 to 3.4	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	3200	1000	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	85.0	45.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.0	20	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	30	> 50	%	ISO 527-2/50
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	9.0	70	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	120	--	kJ/m²	
23°C	No Break	No Break		
Notched Izod Impact Strength				ISO 180/1A
-30°C	5.0	--	kJ/m²	
23°C	6.5 kJ/m²	No Break		
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, Unannealed	180	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	--	°C	ISO 75-2/A
Melting Temperature (DSC) [1]	220	--	°C	ISO 3146
CLTE - Flow	8.5E-5	--	cm/cm/°C	DIN 53752
Maximum Service Temperature				IEC 60216
-- [2]	120	--	°C	
--	180	--	°C	

Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	IEC 60093
Electric Strength	100	60	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.30	7.00		IEC 60250
Dissipation Factor (1 MHz)	0.031	0.30		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	260 to 290	°C
Mold Temperature	40.0 to 90.0	°C

NOTE	
1.	10 K/min
2.	20000 H

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