

LIHAN® B100

Polyamide 6
Nanjing Lihan Chemical Co., Ltd.

Message:

LIHAN® B100 is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in Asia Pacific. Primary characteristic: flame rated.

General Information				
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Molding Shrinkage	1.0 to 1.4	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.7 to 2.1	--	%	ISO 62
Water Content	9.0 to 10	--	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	118	97		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	75.0	45.0	MPa	ISO 527-2
Tensile Strain (Break)	20	40	%	ISO 527-2
Flexural Modulus	2550	850	MPa	ISO 178
Flexural Stress	95.0	45.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	4.5	16	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	170	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
Melting Temperature	220	--	°C	DSC
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+10	ohms	ASTM D257
Dielectric Strength	20	--	kV/mm	ASTM D149
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.59 mm)	V-2	--		UL 94
Injection	Dry	Unit		
Processing (Melt) Temp	250 to 270		°C	
Mold Temperature	40.0 to 60.0		°C	

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