

LIHAN® NB 100

Polyamide 6
Nanjing Lihan Chemical Co., Ltd.

Message:
LIHAN® NB 100 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	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Molding Shrinkage	1.0 to 1.5	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.80 to 1.0	%	ISO 62
Water Content	3.0 to 5.0	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	2950	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	200	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Melting Temperature	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Dielectric Strength	17	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	40.0 to 60.0	°C	

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