

LIHAN® B100EX

Polyamide 6 + PE

Nanjing Lihan Chemical Co., Ltd.

Message:

Low-flexural-strength nylon 6/polyethylene alloy
Pamphlet: Low-flexural-strength nylon 6/polyethylene alloy is authorized as patent product of our company. This material has low flexural strength, good flexibility, still maintain basically mechanical properties after six times repeated extrusion process, good processing performance, extrusion process stability, uniform diameter of extruded nylon rod, smooth surface. The material can be used to extruded nylon rod and tube, double-wall corrugated pipe, extruded nylon core material and other extrusion products.

General Information			
Features	Good Flexibility		
	Good Processability		
	Good Processing Stability		
Uses	Piping		
	Rods		
	Tubing		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Molding Shrinkage	0.90 to 1.3	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	48.0	MPa	ISO 527-2
Tensile Strain (Break)	100	%	ISO 527-2
Flexural Modulus	750	MPa	ISO 178
Flexural Stress	30.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	60	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Melting Temperature	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Comparative Tracking Index	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Extrusion	Nominal Value	Unit	
Melt Temperature	230 to 250	°C	

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