

Lucky Enpla LPB1000

Polybutylene Terephthalate

Lucky Enpla Co LTD

Message:

Lucky Enpla LPB1000 is a polybutene terephthalate (PBT) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Lucky Enpla LPB1000 applications include electrical/electronic applications and the automotive industry.

General Information			
Features	General		
Uses	Electrical/Electronic Applications Connector Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 - 2.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	53.9	MPa	ASTM D638
Flexural Modulus ²	2260	MPa	ASTM D790
Flexural Strength ³	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.18 mm)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	154	°C	ASTM D648
1.8 MPa, not annealed	57.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	230 - 250	°C	
Middle Temperature	240 - 260	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	240 - 260	°C	
Mold Temperature	50.0 - 70.0	°C	
Back Pressure	0.490 - 2.94	MPa	
Screw Speed	30 - 60	rpm	
Injection instructions			
Resin Temperature: 250-270°CInjection Pressure (1st Pressure): 600-1100 kg/cm ² Injection Pressure (2nd Pressure): 400-800 kg/cm ²			
NOTE			

1.	50 mm/min
2.	10 mm/min
3.	10 mm/min

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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



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