

# Lucky Enpla LHLD1007

Polycarbonate  
Lucky Enpla Co LTD

Message:

Lucky Enpla LHLD1007 is a polycarbonate (PC) product. It can be processed by extrusion or injection molding and is available in North America, Europe or Asia Pacific. Lucky Enpla LHLD1007 applications include water pipes/pipes/drinking water and lighting equipment. The main features are: light diffusion.

General Information			
Features	Good Light Diffusion		
Uses	Lighting Applications		
	Piping system		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	60.8	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	2210	MPa	ASTM D790
Flexural Strength <sup>3</sup>	90.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.18 mm)	710	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	128	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	270 - 280	°C	
Middle Temperature	280 - 290	°C	
Front Temperature	290 - 300	°C	
Nozzle Temperature	285 - 300	°C	
Mold Temperature	60.0 - 80.0	°C	
Back Pressure	1.96 - 3.92	MPa	
Screw Speed	60 - 80	rpm	
Injection instructions			
Resin Temperature: 285-310°CInjection Pressure (1st Pressure): 700-1200 kg/cm²Injection Pressure (2nd Pressure): 400-800 kg/cm²			
NOTE			

1.	10 mm/min
2.	5.0 mm/min
3.	5.0 mm/min

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#### Recommended distributors for this material

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