

Lucky Enpla LPC100

Polycarbonate

Lucky Enpla Co LTD

Message:

Lucky Enpla LPC100 is a polycarbonate (PC) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: electrical/electronic applications. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E217401-101474743		
Features	General		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	60.8	MPa	ASTM D638
Flexural Modulus ²	2260	MPa	ASTM D790
Flexural Strength ³	89.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.18 mm)	740	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	131	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	V-2	UL 94	
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/cm ² Injection Pressure (2nd Pressure): 400-800 kg/cm ²			
NOTE			
1.	30 mm/min		
2.	30 mm/min		

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