

# Lucky Enpla LGF3101F

Polybutylene Terephthalate

Lucky Enpla Co LTD

Message:

Lucky Enpla LGF3101F is a polybutene terephthalate (PBT) product, which contains a 10% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Lucky Enpla LGF3101F applications include electrical/electronic applications and the automotive industry.

Features include:

Flame Retardant

Hard

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Rigidity, high		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 - 1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	78.5	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	3920	MPa	ASTM D790
Flexural Strength <sup>3</sup>	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.18 mm)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	220 - 240	°C	
Middle Temperature	230 - 250	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	240 - 260	°C	
Mold Temperature	80.0 - 110	°C	
Back Pressure	0.490 - 2.94	MPa	

Screw Speed	30 - 60	rpm
Injection instructions		
Resin Temperature: 230-250°CInjection Pressure (1st Pressure): 600-1100 kg/cm <sup>2</sup> Injection Pressure (2nd Pressure): 400-800 kg/cm <sup>2</sup>		
NOTE		
1.	10 mm/min	
2.	3.0 mm/min	
3.	3.0 mm/min	

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#### Recommended distributors for this material

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