

# Lucky Enpla LMF2151F

Polycarbonate + ABS

Lucky Enpla Co LTD

## Message:

Lucky Enpla LMF2151F is a polycarbonate + acrylonitrile butadiene styrene (PC + ABS) product, which contains 15% mineral filler. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Lucky Enpla LMF2151F applications include electrical/electronic applications and housing. The main characteristics are: halogen-free.

General Information			
Filler / Reinforcement	Mineral filler, 15% filler by weight		
Features	Halogen-free		
Uses	Computer components		
	Electrical/Electronic Applications		
	Shell		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	66.7	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	4410	MPa	ASTM D790
Flexural Strength <sup>3</sup>	113	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.0	°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	250 - 270	°C	
Mold Temperature	30.0 - 60.0	°C	
Back Pressure	0.490 - 1.47	MPa	
Screw Speed	40 - 70	rpm	
Injection instructions			
Resin Temperature: 250-270°CInjection Pressure (1st Pressure): 800-1200 kg/cm <sup>2</sup> Injection Pressure (2nd Pressure): 500-800 kg/cm <sup>2</sup>			
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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