

# Lucky Enpla LMA1000

Polymethyl Methacrylate Acrylic

Lucky Enpla Co LTD

## Message:

Lucky Enpla LMA1000 is a polymethyl methacrylate-acrylic acid product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Lucky Enpla LMA1000 applications include electrical/electronic applications, housing, automotive industries and lighting equipment.

General Information			
Features	General		
Uses	Lighting Applications Electrical/Electronic Applications Application in Automobile Field Shell		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	2.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	72.6	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	3040	MPa	ASTM D790
Flexural Strength <sup>3</sup>	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (6.35 mm)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	94.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	210 - 230	°C	
Middle Temperature	210 - 230	°C	
Front Temperature	220 - 240	°C	
Nozzle Temperature	220 - 240	°C	
Mold Temperature	60.0 - 80.0	°C	
Back Pressure	1.96 - 3.92	MPa	
Screw Speed	60 - 80	rpm	
Injection instructions			
Resin Temperature: 220-240°C Injection Pressure (1st Pressure): 700-1200 kg/cm <sup>2</sup> Injection Pressure (2nd Pressure): 400-800 kg/cm <sup>2</sup>			

## NOTE

1.	30 mm/min
2.	30 mm/min
3.	30 mm/min

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## Recommended distributors for this material

### 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

