

# Lucky Enpla LAY1003E

Polycarbonate + ABS

Lucky Enpla Co LTD

## Message:

Lucky Enpla LAY1003E is a polycarbonate acrylonitrile butadiene styrene (PC ABS) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Lucky Enpla LAY1003E applications include electrical/electronic applications and housing.

Features include:

- Impact resistance
- good weather resistance

General Information			
Features	Low temperature impact resistance		
	Good weather resistance		
Uses	Electrical/Electronic Applications		
	Shell		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	4.0	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>	53.9	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	2110	MPa	ASTM D790
Flexural Strength <sup>3</sup>	73.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact			ASTM D256
3.18 mm	540	J/m	ASTM D256
6.35 mm	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°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	230 - 250	°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: 240-260°CInjection Pressure (1st Pressure): 800-1200 kg/cm <sup>2</sup> Injection Pressure (2nd Pressure): 300-700 kg/cm <sup>2</sup>		
NOTE		
1.	50 mm/min	
2.	10 mm/min	
3.	10 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

