

Lucky Enpla LAY1001F SG

Polycarbonate + ABS

Lucky Enpla Co LTD

Message:

Lucky Enpla LAY1001F SG 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. Typical application areas are: electrical/electronic applications.

Features include:

high gloss

scratch resistance

Halogen-free

General Information			
Features	Highlight		
	Scratch resistance		
	Halogen-free		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	65.7	MPa	ASTM D638
Flexural Modulus ²	2600	MPa	ASTM D790
Flexural Strength ³	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.18 mm)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.0	°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	230 - 250	°C	
Nozzle Temperature	240 - 255	°C	
Mold Temperature	30.0 - 60.0	°C	
Back Pressure	0.490 - 1.47	MPa	
Screw Speed	40 - 70	rpm	
Injection instructions			
Resin Temperature: 230-250°CInjection Pressure (1st Pressure): 500-1000 kg/cm²Injection Pressure (2nd Pressure): 200-500 kg/cm²			

NOTE	
1.	50 mm/min
2.	10 mm/min
3.	10 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

