

LG ASA LI951

Acrylonitrile Styrene Acrylate

LG Chem Ltd.

Message:

LG ASA LI951 is an acrylonitrile-styrene-acrylate (ASA) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding.

The main features of LG ASA LI951 are:

flame retardant/rated flame

Heat resistance

The typical application areas of LG ASA LI951 are: automotive industry

General Information			
Features	Heat resistance, high		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	50.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	25	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2160	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	77.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	120	J/m	ASTM D256
23°C, 6.40 mm	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	104	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	95.0	°C	ASTM D648
Vicat Softening Temperature	104	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 80.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	200 - 220	°C	
Middle Temperature	210 - 230	°C	

Front Temperature	220 - 240	°C
Nozzle Temperature	220 - 240	°C
Processing (Melt) Temp	210 - 240	°C
Mold Temperature	40.0 - 60.0	°C
Back Pressure	68.6 - 88.3	MPa
Screw Speed	< 80	rpm

Injection instructions

Minimum Moisture Content: 0.01%

NOTE

1.	50 mm/min
2.	50 mm/min
3.	15 mm/min
4.	15 mm/min
5.	速率 A (50°C/h), 载荷2 (50N)

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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



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