

LG ASA LI942

Acrylonitrile Styrene Acrylate

LG Chem Ltd.

Message:

LG ASA LI942 is an Acrylonitrile Styrene Acrylate (ASA) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of LG ASA LI942 are:

Flame Rated

Heat Resistant

Typical application of LG ASA LI942: Automotive

General Information			
UL YellowCard	E67171-248324		
Features	High Heat Resistance		
Uses	Automotive Applications		
Processing Method	Injection Molding		
Multi-Point Data	Specific Heat vs. Temperature (ISO 11403-2)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Moisture Content	> 0.010	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	47.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	15	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	2300	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	73.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	88	J/m	
23°C, 6.40 mm	88	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	99.0	°C	ASTM D648
Vicat Softening Temperature	105	°C	ASTM D1525 ⁵
RTI Elec			UL 746
1.50 mm	50.0	°C	
3.00 mm	50.0	°C	
RTI Imp			UL 746

1.50 mm	50.0	°C
3.00 mm	50.0	°C
RTI Str		UL 746
1.50 mm	50.0	°C
3.00 mm	50.0	°C
Electrical	Nominal Value	Test Method
Arc Resistance	PLC 5	ASTM D495
Comparative Tracking Index (CTI)	PLC 0	UL 746
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 0	
3.00 mm	PLC 0	
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 3	
3.00 mm	PLC 3	
Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.50 mm, ALL	HB	
3.00 mm, ALL	HB	
Injection	Nominal Value	Unit
Drying Temperature	70.0 to 80.0	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	200 to 230	°C
Middle Temperature	210 to 240	°C
Front Temperature	220 to 250	°C
Nozzle Temperature	220 to 250	°C
Processing (Melt) Temp	210 to 250	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	68.6 to 88.3	MPa
Screw Speed	< 80	rpm
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	15 mm/min	
4.	15 mm/min	
5.	Rate A (50°C/h), Loading 2 (50 N)	

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

