LG ASA LI941

Acrylonitrile Styrene Acrylate

LG Chem Ltd.

Message:

LG ASA LI941 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 LI941 are:
flame retardant/rated flame
Heat resistance
The typical application areas of LG ASA LI941 are: automotive industry

General Information			
UL YellowCard	E67171-248324		
Features	Heat resistance, high		
Uses	Application in Automobile Field Automotive exterior parts		
Forms	Particle		
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/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.70	%	ASTM D955
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)	25	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	2300	MPa	ASTM D790
Flexural Strength [4] (3.20 mm)	75.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C, 6.40 mm	39	J/m	ASTM D256
23°C, 3.20 mm	170	J/m	ASTM D256
23°C, 6.40 mm	140	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	97.0	°C	ASTM D648
Vicat Softening Temperature	104	°C	ASTM D1525 [5]

RTI Elec			UL 746
1.50 mm	50.0	°C	UL 746
3.00 mm	50.0	°C	UL 746
RTI Imp			UL 746
1.50 mm	50.0	°C	UL 746
3.00 mm	50.0	°C	UL 746
RTI			UL 746
1.50 mm	50.0	°C	UL 746
3.00 mm	50.0	°C	UL 746

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	UL 746
3.00 mm	PLC 0	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 3	UL 746
3.00 mm	PLC 3	UL 746

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.50 mm, ALL	HB	UL 94
3.00 mm, ALL	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)

Recommended distributors for this material

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