

LG ASA LI913-H

Acrylonitrile Styrene Acrylate

LG Chem Ltd.

Message:

Description
Excellent Chemical Resistance, Colorability, High Tensile Elongation
Application
Handrail, Satellite Antenna, Lamp Cover, Electronic Components

General Information			
UL YellowCard	E67171-248323		
Features	Good coloring		
	Good chemical resistance		
	Extended tensile rate		
Uses	Electrical components		
	Outdoor application		
Processing Method	Extrusion		
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)	5.0	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)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	33.3	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	90	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1470	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	49.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	81.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.6 mm	HB		UL 94
3.2 mm	HB		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	80 - 90	°C	

Drying Time	2.0 - 3.0	hr
Cylinder Zone 1 Temp.	190 - 200	°C
Cylinder Zone 2 Temp.	200 - 220	°C
Cylinder Zone 3 Temp.	210 - 230	°C
Cylinder Zone 4 Temp.	210 - 230	°C
Adapter Temperature	210 - 230	°C
Melt Temperature	200 - 230	°C
Die Temperature	210 - 250	°C

Extrusion instructions

Minimum Moisture Content: 0.01%Roll Stack Temperature, Top: 70 to 90°CRoll Stack Temperature, Middle: 70 to 90°CRoll Stack Temperature, Bottom: 70 to 100°C

NOTE

1. 50 mm/min
2. 50 mm/min
3. 15 mm/min
4. 15 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



WECHAT