

General Information
Product Description

Description

- Excellent Chemical Resistance, Colorability, High Tensile Elongation

Application

- Handrail, Satellite Antenna, Lamp Cover, Electronic Components

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Chemical Resistant	• Good Colorability	• High Elongation
Uses	• Electrical Parts	• Outdoor Applications	
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / 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 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (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 ³ (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
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
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	Unit	Test Method
Flame Rating			UL 94
1.6 mm		HB	
3.2 mm		HB	

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	80 to 90	°C
Drying Time	2.0 to 3.0	hr
Cylinder Zone 1 Temp.	190 to 200	°C
Cylinder Zone 2 Temp.	200 to 220	°C
Cylinder Zone 3 Temp.	210 to 230	°C

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LG ASA LI913-H

LG Chem Ltd. - Acrylonitrile Styrene Acrylate

Extrusion	Nominal Value	Unit
Cylinder Zone 4 Temp.	210 to 230	°C
Adapter Temperature	210 to 230	°C
Melt Temperature	200 to 230	°C
Die Temperature	210 to 250	°C

Extrusion Notes

Minimum Moisture Content: 0.01%

Roll Stack Temperature, Top: 70 to 90°C

Roll Stack Temperature, Middle: 70 to 90°C

Roll Stack Temperature, Bottom: 70 to 100°C

Notes

¹ Typical properties: these are not to be construed as specifications.

² 50 mm/min

³ 15 mm/min