

# LG ASA LI935

LG Chem Ltd. - Acrylonitrile Styrene Acrylate

Thursday, February 20, 2025

## General Information

### Product Description

#### Description

LI935 is an ASA with improved surface quality designed for metallized rear lamp housings

#### Key Features

Standard Purpose, Vacuum evaporation, Weatherability, Superior Surface Quality, Metallization

#### Application

Rear Combination Lamp

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • Latin America • North America
Features	• General Purpose • Good Weather Resistance • Metallizable • Outstanding Surface Finish
Uses	• Automotive Applications • General Purpose
Processing Method	• Injection Molding

## ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.08	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	13	g/10 min	ISO 1133
Molding Shrinkage (23°C, 3.20 mm)	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 23°C, 4.00 mm, Injection Molded	53.0	MPa	
Tensile Strain			ISO 527-2/50
Break, 23°C, 4.00 mm, Injection Molded	> 15	%	
Flexural Modulus <sup>1</sup> (23°C, 4.00 mm, Injection Molded)	2400	MPa	ISO 178
Flexural Stress <sup>1</sup> (23°C, 4.00 mm, Injection Molded)	76.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength <sup>2</sup>			ISO 179/1eA
-30°C, Injection Molded	3.0	kJ/m <sup>2</sup>	
23°C, Injection Molded	8.0	kJ/m <sup>2</sup>	
Notched Izod Impact Strength <sup>2</sup>			ISO 180/1A
-30°C, Injection Molded	3.0	kJ/m <sup>2</sup>	
23°C, Injection Molded	8.0	kJ/m <sup>2</sup>	

# LG ASA LI935

## LG Chem Ltd. - Acrylonitrile Styrene Acrylate

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 4.00 mm	93.0	°C	ISO 75-2/Bf
0.45 MPa, Annealed, 4.00 mm	98.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 4.00 mm	85.0	°C	ISO 75-2/Af
1.8 MPa, Annealed, 4.00 mm	96.0	°C	ISO 75-2/Af
Vicat Softening Temperature	102	°C	ISO 306/B50

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	70 to 80	°C
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	200 to 250	°C
Mold Temperature	40 to 80	°C
Screw Speed	30 to 60	rpm

### Notes

<sup>1</sup> 2.0 mm/min

<sup>2</sup> 4mm