

LG ASA LI935 LG Chem Ltd. - Acrylonitrile Styrene Acrylate

Thursday, February 20, 2025

	General In	formation		
Product Description				
Description				
LI935 is an ASA with improved s	urface quality designed for metallized rear l	lamp housings		
Key Features				
Standard Purpose, Vacuum evap	poration, Weatherability, Superior Surface G	Quality, Metallization		
Application				
Rear Combination Lamp				
General				
Material Status	Commercial: Active			
Availability	Asia Pacific	Latin America		
	Europe	 North America 		
Features	General Purpose	 Metallizable 		
	 Good Weather Resistance 	 Outstanding Surface 	e 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/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)		13	g/10 min	ISO 1133
Molding Shrinkage (23°C, 3.20 m	nm)	0.40 to 0.70	%	ISO 294-4
Mechanical		Nominal Value	Unit	Test Method
Tanaila Straga				100 507 0/50

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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 ¹ (23°C, 4.00 mm, Injection Molded)	2400	MPa	ISO 178
Flexural Stress ¹ (23°C, 4.00 mm, Injection Molded)	76.0	MPa	ISO 178
mpact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ²			ISO 179/1eA
-30°C, Injection Molded	3.0	kJ/m²	
23°C, Injection Molded	8.0	kJ/m²	
Notched Izod Impact Strength ²			ISO 180/1A
-30°C, Injection Molded	3.0	kJ/m²	
23°C, Injection Molded	8.0	kJ/m²	



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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

¹ 2.0 mm/min

² 4mm



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