

LG ASA LI970HF

Acrylonitrile Styrene Acrylate

LG Chem Ltd.

Message:

Description
Good Weatherability, Scratch Resistance, High Flow
Application
Window Profile, Siding, Rain Gutter

General Information			
Features	High scratch resistance		
	High liquidity		
	Good weather resistance		
Uses	Outdoor application		
Processing Method	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	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)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	2200	MPa	ASTM D638
Tensile Strength ² (Yield, 3.20 mm)	50.0	MPa	ASTM D638
Tensile Elongation ³			ASTM D638
Yield, 3.20mm	> 6.0	%	ASTM D638
Fracture, 3.20mm	20	%	ASTM D638
Flexural Modulus ⁴ (3.20 mm)	2260	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 3.20 mm)	76.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	20	J/m	ASTM D256
-30°C, 6.40 mm	20	J/m	ASTM D256
23°C, 3.20 mm	59	J/m	ASTM D256
23°C, 6.40 mm	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	95.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	85.0	°C	ASTM D648

Vicat Softening Temperature	93.0	°C	ASTM D1525 ⁶
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		UL 94
3.20 mm	HB		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Suggested Max Moisture	0.010	%	
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			
Roll Stack Temperature - Top: 70 to 90 °C Roll Stack Temperature - Middle: 70 to 90 °C Roll Stack Temperature - Bottom: 70 to 100 °C			
NOTE			
1.	1.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	15 mm/min		
5.	15 mm/min		
6.	速率 A (50°C/h), 载荷2 (50N)		

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