

LG ASA LI-911

Acrylonitrile Styrene Acrylate

LG Chem Ltd.

General				
Material Status	• Commercial: Active			
Availability	• Asia Pacific • Europe	• North America • South America		
Features	• High Flow			
Forms	• Pellets			
Processing Method	• Injection Molding			
Multi-Point Data	• Specific Heat vs. Temperature (ISO 11403-2)			
Physical		Nominal Value	Unit	Test Method
Specific Gravity	--	1.07	g/cm ³	ASTM D792
	--	1070	kg/m ³	ISO 1183 ²
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)		22	g/10 min	ASTM D1238
Melt volume-flow rate (220°C/10.0 kg)		22.5	cm ³ /10min	ISO 1133 ²
Molding Shrinkage - Flow		0.40 to 0.70	%	ASTM D955
Water Absorption (Saturation)		0.35	%	ISO 62 ²
Mechanical		Nominal Value	Unit	Test Method
Tensile modulus		2300	MPa	ISO 527-2 ²
Tensile Strength				
Yield		49.0	MPa	ASTM D638
Yield		47.0	MPa	ISO 527-2 ²
Tensile Strain				
Yield		6.0	%	ISO 527-2 ²
Break		20	%	ASTM D638
Nominal strain at break		14	%	ISO 527-2 ²
Flexural Modulus		2350	MPa	ASTM D790
Flexural Strength		73.8	MPa	ASTM D790
Impact		Nominal Value	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA ²
-30°C		1.80	kJ/m ²	
23°C		15.0	kJ/m ²	
Charpy impact strength				ISO 179/1eU ²
-30°C		35.5	kJ/m ²	
23°C		68.9	kJ/m ²	
Notched Izod Impact				ASTM D256
23°C, 3.18 mm		139	J/m	
23°C, 6.35 mm		117	J/m	
Hardness		Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)		108		ASTM D785
Thermal		Nominal Value	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
1.8 MPa, Unannealed		91.1	°C	
Glass Transition Temperature ³		110	°C	ISO 11357-2 ²
Vicat Softening Temperature				
--		103	°C	ASTM D1525
50°C/h, B (50N)		96.1	°C	ISO 306 ²
CLTE				ISO 11359-2 ²
Flow		0.000077	cm/cm/°C	
Transverse		0.000077	cm/cm/°C	

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由IDES发布, 我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。 我公司不承担任何法律责任！

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Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL			UL 94
1.59 mm		HB	
3.18 mm		HB	
Burning Behav. at thickness h (3.20 mm, UL)		HB	ISO 1210 ²

Additional Information
Melt Flow Rate, ASTM D1238, 200°C/5kg: 2.2 g/10min
Melt Flow Rate, ASTM D1238, 230°C/3.8kg: 7.5 g/10min

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
- ³ 10 °C/min

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