

LG ASA LI-923

Acrylonitrile Styrene Acrylate

LG Chem Ltd.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• North America • South America	
Forms	• Pellets		
Processing Method	• Injection Molding		
Multi-Point Data	• Specific Heat vs. Temperature (ISO 11403-2)		
Physical	Nominal Value	Unit	Test Method
Density	1060	kg/m ³	ISO 1183 ²
Melt volume-flow rate (220°C/10.0 kg)	4.60	cm ³ /10min	ISO 1133 ²
Water Absorption (Saturation)	0.31	%	ISO 62 ²
Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	2300	MPa	ISO 527-2 ²
Tensile Stress (Yield)	48.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)	6.0	%	ISO 527-2 ²
Nominal strain at break	18	%	ISO 527-2 ²
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength			ISO 179/1eA ²
-30°C	2.40	kJ/m ²	
23°C	26.6	kJ/m ²	
Charpy impact strength			ISO 179/1eU ²
-30°C	35.5	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ³	110	°C	ISO 11357-2 ²
Vicat Softening Temperature			ISO 306 ²
50°C/h, B (50N)	95.4	°C	
CLTE			ISO 11359-2 ²
Flow	0.000071	cm/cm/°C	
Transverse	0.000071	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Relative Permittivity (1 MHz)	3.20		IEC 60250 ²
Dissipation Factor (1 MHz)	0.028		IEC 60250 ²
Flammability	Nominal Value	Unit	Test Method
Burning Behav. at thickness h (3.20 mm, UL)	HB		ISO 1210 ²
Extrusion	Nominal Value	Unit	
Drying Temperature	85.0 to 95.0	°C	
Drying Time	2.0 to 3.0	hr	
Suggested Max Moisture	0.10	%	
Cylinder Zone 1 Temp.	190 to 210	°C	
Cylinder Zone 2 Temp.	200 to 220	°C	
Cylinder Zone 3 Temp.	210 to 230	°C	
Cylinder Zone 4 Temp.	210 to 230	°C	
Cylinder Zone 5 Temp.	210 to 230	°C	
Adapter Temperature	210 to 230	°C	
Die Temperature	210 to 250	°C	
Take-Off Roll	70.0 to 100	°C	
Back Pressure	0.0867 to 0.1000	MPa	
Extrusion Notes			
Flange temp: 210 to 230°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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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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