

LG ASA LI-943

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	1070	kg/m ³	ISO 1183 ²
Melt volume-flow rate (220°C/10.0 kg)	7.60	cm ³ /10min	ISO 1133 ²
Water Absorption (Saturation)	0.29	%	ISO 62 ²

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	1500	MPa	ISO 527-2 ²
Tensile Stress (Yield)	45.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)	4.0	%	ISO 527-2 ²
Nominal strain at break	21	%	ISO 527-2 ²

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength			ISO 179/1eA ²
-30°C	2.70	kJ/m ²	
23°C	14.2	kJ/m ²	
Charpy impact strength			ISO 179/1eU ²
-30°C	42.4	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)	98.3	°C	
CLTE			ISO 11359-2 ²
Flow	0.000085	cm/cm/°C	
Transverse	0.000085	cm/cm/°C	

Electrical	Nominal Value	Unit	Test Method
Relative Permittivity (1 MHz)	3.20		IEC 60250 ²
Dissipation Factor (1 MHz)	0.029		IEC 60250 ²

Flammability	Nominal Value	Unit	Test Method
Burning Behav. at thickness h (3.20 mm, UL)	HB		ISO 1210 ²

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

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！