

LG Chemical LI-943 ASA Resin (discontinued **)

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Heat resistance, Excellent weather resistance, Well balanced mechanical properties, Superior chemical resistance, Good thermal aging stability, Good moldability and processability, Applications include side mirror housing, and trim panel

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LI-943-ASA-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	5.0 g/10 min @Load 10.0 kg, Temperature 220 °C	5.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	41.0 MPa	5950 psi	50 mm/min; ASTM D638
Elongation at Break	35 %	35 %	50 mm/min; ASTM D638
Modulus of Elasticity	1.81 GPa	263 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	71.0 MPa	10300 psi	50 mm/min; ASTM D790
Flexural Modulus	2.21 GPa	321 ksi	15 mm/min; ASTM D790
Izod Impact, Notched	1.40 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.62 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	ASTM D256
	1.80 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	3.37 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	91.0 °C @Thickness 6.35 mm	196 °F @Thickness 0.250 in	Unannealed; ASTM D648
Vicat Softening Point	111 °C	232 °F	1000 g; ASTM D1525
Flammability, UL94	HB	HB	1/8 in

Thermal Properties	Metric	English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China