

Sindustris ABS LXG679

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LXG679 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris ABS LXG679 are:

Flame Rated

High Flow

High Gloss

Scratch Resistant

Typical applications include:

Housings

Electrical/Electronic Applications

General Information			
Features	High Flow		
	High Gloss		
	Scratch Resistant		
Uses	Electrical Housing		
	Housings		
	LCD Applications		
	Television Housings		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	53.0	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield, 3.20 mm	> 6.0	%	
Break, 3.20 mm	20	%	
Flexural Modulus ³ (3.20 mm)	2750	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	85.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

-20°C, 3.20 mm	39	J/m	
-20°C, 6.40 mm	39	J/m	
23°C, 3.20 mm	88	J/m	
23°C, 6.40 mm	88	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	86.0	°C	
0.45 MPa, Unannealed, 6.40 mm	88.0	°C	
1.8 MPa, Unannealed, 3.20 mm	82.0	°C	
1.8 MPa, Unannealed, 6.40 mm	83.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Additional Information	Nominal Value		Test Method
Ozone Resistance - 5 sec	No Cracks		JIS K6301
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Rear Temperature	180 to 200	°C	
Middle Temperature	190 to 210	°C	
Front Temperature	200 to 230	°C	
Nozzle Temperature	200 to 230	°C	
Processing (Melt) Temp	200 to 230	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	29.4 to 58.8	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	15 mm/min		
4.	15 mm/min		

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

