

Sindustris ABS LLG850W

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LLG850W is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for extrusion or injection molding. Important attributes of Sindustris ABS LLG850W are:

- Heat Resistant
- Low Gloss
- Typical applications include:
 - Automotive
 - Housings

General Information			
Features	High Heat Resistance		
	Low Gloss		
Uses	Automotive Interior Parts		
	Automotive Interior Trim		
	Housings		
UL File Number	E306922		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	46.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	20	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2400	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	77.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	88	J/m	
-30°C, 6.40 mm	98	J/m	
23°C, 3.20 mm	200	J/m	
23°C, 6.40 mm	180	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	103	°C	
1.8 MPa, Unannealed, 6.40 mm	95.0	°C	
Vicat Softening Temperature	101	°C	ASTM D1525 ⁵
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Optical	Nominal Value		Test Method
Gloss (45°)	30		ASTM D2457
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	200 to 220	°C	
Middle Temperature	210 to 230	°C	
Front Temperature	220 to 240	°C	
Nozzle Temperature	220 to 240	°C	
Processing (Melt) Temp	220 to 240	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	68.6 to 88.3	MPa	
Screw Speed	< 80	rpm	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	15 mm/min		
4.	15 mm/min		
5.	Rate A (50°C/h), Loading 2 (50 N)		

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



WECHAT