

Sindustris ABS LLG824

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LLG824 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for extrusion. Primary attribute of Sindustris ABS LLG824: Low Gloss.

Typical applications include:

Automotive

Housings

General Information			
Features	Low Gloss		
Uses	Automotive Interior Parts		
	Housings		
Processing Method	Extrusion		
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)	4.0	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)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	2380	MPa	ASTM D638
Tensile Strength ² (Yield, 3.20 mm)	37.3	MPa	ASTM D638
Tensile Elongation ³ (Break, 3.20 mm)	40	%	ASTM D638
Flexural Modulus ⁴ (3.20 mm)	1920	MPa	ASTM D790
Flexural Strength ⁵ (3.20 mm)	60.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	110	J/m	
-30°C, 6.40 mm	120	J/m	
23°C, 3.20 mm	250	J/m	
23°C, 6.40 mm	230	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	97.0	°C	
1.8 MPa, Unannealed, 6.40 mm	90.0	°C	
Vicat Softening Temperature	95.0	°C	ASTM D1525 ⁶
Optical	Nominal Value		Test Method
Gloss (45°)	30		ASTM D2457

Extrusion	Nominal Value	Unit
Drying Temperature	70.0 to 80.0	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.010	%
Melt Temperature	200 to 250	°C
Die Temperature	200 to 250	°C

NOTE		
1.	1.0 mm/min	
2.	50 mm/min	
3.	50 mm/min	
4.	15 mm/min	
5.	15 mm/min	
6.	Rate A (50°C/h), Loading 2 (50 N)	

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