

Sindustris ABS LSH721S

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LSH721S is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for extrusion.

Important attributes of Sindustris ABS LSH721S are:

Good Aesthetics

Impact Resistant

Typical application of Sindustris ABS LSH721S: Bags/Liners

General Information			
Features	Good Surface Finish		
	High Impact Resistance		
Uses	Bags		
	General Purpose		
UL File Number	E306922		
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)	7.0	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)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	35.3	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield, 3.20 mm	> 5.0	%	
Break, 3.20 mm	35	%	
Flexural Modulus ³ (3.20 mm)	1960	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	56.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	410	J/m	
23°C, 6.40 mm	350	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	92.0	°C	
1.8 MPa, Unannealed, 6.40 mm	87.0	°C	
Vicat Softening Temperature	94.0	°C	ASTM D1525 ⁵

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.	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)	

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