

Sindustris ABS LSH736

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LSH736 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for extrusion.

Important attributes of Sindustris ABS LSH736 are:

High Flow

Impact Resistant

Typical application of Sindustris ABS LSH736: Sporting Goods

General Information			
Features	High Flow		
	High Impact Resistance		
Uses	General Purpose		
	Sporting Goods		
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)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	34.3	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)	1810	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	53.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	540	J/m	
23°C, 6.40 mm	430	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	90.0	°C	
1.8 MPa, Unannealed, 6.40 mm	83.0	°C	
Vicat Softening Temperature	90.0	°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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