

Sindustris ABS LBM773B

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LBM773B is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for blow molding.

Important attributes of Sindustris ABS LBM773B are:

Flame Rated

Heat Resistant

Typical applications include:

Automotive

Housings

General Information			
Features	High Heat Resistance		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
	Housings		
UL File Number	E306922		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.0	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)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	42.2	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield, 3.20 mm	> 5.0	%	
Break, 3.20 mm	30	%	
Flexural Modulus ³ (3.20 mm)	21300	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	65.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	98	J/m	
-30°C, 6.40 mm	88	J/m	
23°C, 3.20 mm	210	J/m	
23°C, 6.40 mm	190	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	108	°C	
1.8 MPa, Unannealed, 6.40 mm	100	°C	
Vicat Softening Temperature	106	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	
Blow Molding Mold Temperature - Die	220	°C	
Blow Molding Temperature	200 to 210	°C	
Drying Temperature - Blow Molding	80 to 90	°C	
Drying Time - Blow Molding	3.0 to 4.0	hr	
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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