

Sindustris ABS LHI221

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LHI221 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris ABS LHI221 are:

Chemical Resistant

Impact Resistant

Typical application of Sindustris ABS LHI221: Furniture

General Information			
Features	Good Chemical Resistance		
	High Impact Resistance		
Uses	Furniture		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	37.3	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 10	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1860	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	53.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	400	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	84.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Rear Temperature	180 to 200	°C	
Middle Temperature	190 to 210	°C	
Front Temperature	200 to 220	°C	
Nozzle Temperature	200 to 230	°C	
Processing (Melt) Temp	210 to 240	°C	
Mold Temperature	40.0 to 70.0	°C	

Back Pressure	29.4 to 58.8	MPa
Screw Speed	30 to 60	rpm
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	15 mm/min	
4.	15 mm/min	

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Recommended distributors for this material

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