Sindustris ABS LHI232

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LHI232 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for injection molding.
Typical application of Sindustris ABS LHI232: Electrical/Electronic Applications

General Information			
Uses	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	21	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)	108		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1] (3.20 mm)	2080	MPa	ASTM D638
Tensile Strength [2] (Yield, 3.20 mm)	45.1	MPa	ASTM D638
Tensile Elongation [3] (Break, 3.20 mm)	40	%	ASTM D638
Flexural Modulus [4] (3.20 mm)	2450	MPa	ASTM D790
Flexural Strength [5] (3.20 mm)	72.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	130	J/m	
-30°C, 6.40 mm	130	J/m	
23°C, 3.20 mm	340	J/m	
23°C, 6.40 mm	310	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	91.0	°C	
1.8 MPa, Unannealed, 6.40 mm	87.0	°C	
Vicat Softening Temperature	93.0	°C	ASTM D1525 [6]
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Electrical	**Nominal Value**	**Unit**	**Test Method**
Arc Resistance	6.00	sec	ASTM D495
Comparative Tracking Index (CTI) [7]	PLC 0		IEC 60112

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.	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)
7.	Solution A

Recommended distributors for this material

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