

Sindustris ABS LTR668

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LTR668 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris ABS LTR668 are:

Flame Rated

Clarity

Impact Resistant

Typical applications include:

Business/Office Goods

Electrical/Electronic Applications

Printing Applications

General Information			
Features	High Clarity		
	High Impact Resistance		
Uses	Business Equipment		
	Electrical/Electronic Applications		
	Printer		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	23	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)	106		ASTM D785
Pencil Hardness	HB		ASTM D3363
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	2110	MPa	ASTM D638
Tensile Strength ² (Yield, 3.20 mm)	44.1	MPa	ASTM D638
Tensile Elongation ³			ASTM D638
Yield, 3.20 mm	5.0	%	
Break, 3.20 mm	40	%	
Flexural Modulus ⁴ (3.20 mm)	2110	MPa	ASTM D790
Flexural Strength ⁵ (3.20 mm)	66.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	59	J/m	

-30°C, 6.40 mm	69	J/m	
23°C, 3.20 mm	160	J/m	
23°C, 6.40 mm	160	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	89.0	°C	
1.8 MPa, Unannealed, 6.40 mm	81.0	°C	
Vicat Softening Temperature	85.0	°C	ASTM D1525 ⁶
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
Haze	2.2	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°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	200 to 230	°C	
Mold Temperature	40.0 to 60.0	°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)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

