

Sindustris ABS LTR667

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LTR667 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for extrusion, injection molding, or sheet extrusion.

Important attributes of Sindustris ABS LTR667 are:

Flame Rated

Chemical Resistant

Clarity

Typical application of Sindustris ABS LTR667: Sheet

General Information			
Features	Good Chemical Resistance		
	High Clarity		
	Sound Damping		
Uses	Clear Sheet		
	Sheet		
UL File Number	E306922		
Processing Method	Extrusion		
	Injection Molding		
	Sheet Extrusion		
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)	5.0	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)	106		ASTM D785
Pencil Hardness	HB		ASTM D3363
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	2060	MPa	ASTM D638
Tensile Strength ² (Yield, 3.20 mm)	43.1	MPa	ASTM D638
Tensile Elongation ³			ASTM D638
Yield, 3.20 mm	8.0	%	
Break, 3.20 mm	80	%	
Flexural Modulus ⁴ (3.20 mm)	2060	MPa	ASTM D790
Flexural Strength ⁵ (3.20 mm)	71.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

-30°C, 3.20 mm	69	J/m	
-30°C, 6.40 mm	69	J/m	
23°C, 3.20 mm	170	J/m	
23°C, 6.40 mm	150	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	94.0	°C	
1.8 MPa, Unannealed, 6.40 mm	86.0	°C	
Vicat Softening Temperature	92.0	°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	4.0	%	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	200 to 220	°C	
Middle Temperature	210 to 230	°C	
Front Temperature	220 to 240	°C	
Nozzle Temperature	220 to 250	°C	
Processing (Melt) Temp	220 to 250	°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)		

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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

