

Sindustris ABS LRS768

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LRS768 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for extrusion.

Important attributes of Sindustris ABS LRS768 are:

Flame Rated

Chemical Resistant

Impact Resistant

Typical applications include:

Appliances

Bags/Liners

General Information			
Features	Good Chemical Resistance		
	High Impact Resistance		
Uses	Appliance Components		
	Liners		
UL File Number	E306922		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	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)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	48.1	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield, 3.20 mm	> 5.0	%	
Break, 3.20 mm	35	%	
Flexural Modulus ³ (3.20 mm)	2590	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	80.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	120	J/m	
-30°C, 6.40 mm	110	J/m	
23°C, 3.20 mm	350	J/m	
23°C, 6.40 mm	270	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	96.0	°C	
1.8 MPa, Unannealed, 6.40 mm	90.0	°C	
Vicat Softening Temperature	96.0	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Melt Temperature	200 to 250	°C	
Die Temperature	200 to 250	°C	
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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