

Sindustris ABS LAF479

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LAF479 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris ABS LAF479 are:

Flame Rated

Flame Retardant

Typical applications include:

Business/Office Goods

Electrical/Electronic Applications

Printing Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Business Equipment		
	Electrical/Electronic Applications		
	Printer Parts		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	32	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)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	47.1	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield, 3.20 mm	> 5.0	%	
Break, 3.20 mm	25	%	
Flexural Modulus ³ (3.20 mm)	2650	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	78.5	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	59	J/m	
23°C, 3.20 mm	210	J/m	
23°C, 6.40 mm	180	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	90.0	°C	
1.8 MPa, Unannealed, 6.40 mm	82.0	°C	
Vicat Softening Temperature	91.0	°C	ASTM D1525 ⁵
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.50 mm	V-2		
2.00 mm	V-2		
2.50 mm	V-2		
3.00 mm	V-2		
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 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	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.	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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