

Sindustris PC SR3109FM

Polycarbonate

Sincerity Australia Pty Ltd.

Message:

Sindustris PC SR3109FM is a Polycarbonate (PC) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PC SR3109FM are:

Flame Rated

Flame Retardant

Halogen Free

Typical application of Sindustris PC SR3109FM: Electrical/Electronic Applications

General Information			
Features	Flame Retardant		
	Halogen Free		
	High Reflectivity		
Uses	LCD Applications		
UL File Number	E306922		
Appearance	White		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	57.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	120	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2450	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	93.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	127	°C	ASTM D648
RTI Elec	110	°C	UL 746
RTI Imp	100	°C	UL 746
RTI Str	120	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
0.850 mm	V-1		

1.50 mm	V-0	
3.00 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	100 to 120	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	250 to 280	°C
Middle Temperature	260 to 290	°C
Front Temperature	260 to 290	°C
Nozzle Temperature	260 to 280	°C
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	60.0 to 90.0	°C
Back Pressure	0.981 to 3.92	MPa
Screw Speed	40 to 70	rpm
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 mm/min	

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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



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