

Sindustris PC SF1008

Polycarbonate

Sincerity Australia Pty Ltd.

Message:

Sindustris PC SF1008 is a Polycarbonate (PC) material. It is available in Asia Pacific for injection molding. Primary attribute of Sindustris PC SF1008: High Flow.

Typical applications include:

Electrical/Electronic Applications

Housings

General Information			
Features	General Purpose		
	High Flow		
Uses	Battery Cases		
	Cell Phones		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	57.9	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm)	70	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2580	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	590	J/m	
23°C, 6.40 mm	50	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	103	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	250 to 260	°C	
Middle Temperature	260 to 290	°C	
Front Temperature	260 to 290	°C	

Nozzle Temperature	260 to 290	°C
Processing (Melt) Temp	265 to 295	°C
Mold Temperature	70.0 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

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