

Sindustris PC GN5008FL

Polycarbonate
Sincerity Australia Pty Ltd.

Message:

Sindustris PC GN5008FL is a Polycarbonate (PC) material. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PC GN5008FL are:
Flame Rated
Flame Retardant
Halogen Free
Heat Resistant
High Flow
Typical applications include:
Housings
Electrical/Electronic Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	High Flow		
	High Heat Resistance		
Uses	Electrical Housing		
	Electrical/Electronic Applications		
	Housings		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	61.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	100	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2300	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	740	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	119	°C	ASTM D648
Vicat Softening Temperature	134	°C	ASTM D1525 ⁵

RTI Elec	95.0	°C	UL 746
RTI Imp	90.0	°C	UL 746
RTI Str	95.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.50 mm	V-0		
3.00 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	260 to 300	°C	
Middle Temperature	250 to 290	°C	
Front Temperature	250 to 270	°C	
Nozzle Temperature	260 to 290	°C	
Processing (Melt) Temp	270 to 300	°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		
5.	Rate A (50°C/h), Loading 2 (50 N)		

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