

Sindustris PC GN5010F

Polycarbonate
Sincerity Australia Pty Ltd.

Message:

Sindustris PC GN5010F is a Polycarbonate (PC) material. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PC GN5010F are:
Flame Rated
Flame Retardant
Halogen Free
High Flow
Typical applications include:
Housings
Electrical/Electronic Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	High Flow		
Uses	Electrical Housing		
	Electrical/Electronic Applications		
	Housings		
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) (250°C/2.16 kg)	21	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)	54.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 50	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2650	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	87.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	85.0	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94

2.00 mm	V-1	
	V-0	
3.00 mm	5VB	
Injection	Nominal Value	Unit
Drying Temperature	60.0 to 80.0	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	210 to 240	°C
Middle Temperature	215 to 250	°C
Front Temperature	225 to 260	°C
Nozzle Temperature	220 to 250	°C
Processing (Melt) Temp	230 to 260	°C
Mold Temperature	50.0 to 70.0	°C
Screw Speed	40 to 70	rpm
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

