

Sindustris PC GN1003FL

Polycarbonate

Sincerity Australia Pty Ltd.

Message:

Sindustris PC GN1003FL is a Polycarbonate (PC) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PC GN1003FL are:

Flame Rated

Flame Retardant

Halogen Free

High Flow

Impact Resistant

Typical applications include:

Housings

Electrical/Electronic Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	High Flow		
	High Impact Resistance		
Uses	Battery Cases		
	Electrical/Electronic Applications		
	Housings		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	25	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)	60.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 100	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2290	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	92.2	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)	115	°C	ASTM D648
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+11	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
	V-0		
2.00 mm	5VB		
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	275 to 285	°C	
Middle Temperature	275 to 290	°C	
Front Temperature	275 to 290	°C	
Nozzle Temperature	270 to 285	°C	
Processing (Melt) Temp	275 to 290	°C	
Mold Temperature	80.0 to 100	°C	
Back Pressure	0.981 to 3.92	MPa	
Screw Speed	40 to 80	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 1342475533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT