

Sindustris PC GN5102RF

Polycarbonate

Sincerity Australia Pty Ltd.

Message:

Sindustris PC GN5102RF is a Polycarbonate (PC) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PC GN5102RF are:

Flame Rated

Flame Retardant

Halogen Free

High Stiffness

Typical applications include:

Electrical/Electronic Applications

Housings

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	General Purpose		
	Halogen Free		
	High Stiffness		
Uses	Computer Components		
	Electrical Housing		
	Electrical/Electronic Applications		
	Housings		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.50	%	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)	> 30	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	3140	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	94.0	°C	ASTM D648

RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
0.750 mm	V-0		
1.50 mm	V-0		
3.00 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.040	%	
Rear Temperature	220 to 240	°C	
Middle Temperature	235 to 255	°C	
Front Temperature	250 to 255	°C	
Nozzle Temperature	250 to 265	°C	
Processing (Melt) Temp	235 to 265	°C	
Mold Temperature	50.0 to 80.0	°C	
Back Pressure	0.981 to 1.96	MPa	
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

