

Sindustris PC GN5152RFA

Polycarbonate + ABS
Sincerity Australia Pty Ltd.

Message:

Sindustris PC GN5152RFA is a Polycarbonate + ABS (PC+ABS) material filled with 15% mineral. It is available in Asia Pacific for injection molding. Important attributes of Sindustris PC GN5152RFA are:
Flame Rated
Flame Retardant
Halogen Free
High Stiffness
Typical applications include:
Electrical/Electronic Applications
Housings

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	General Purpose		
	Halogen Free		
	High Stiffness		
Uses	Computer Components		
	Electrical/Electronic Applications		
	Housings		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	66.7	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	20	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	4410	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	113	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	95.0	°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 (1.00 mm)	V-0	UL 94	
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	230 to 250	°C	
Middle Temperature	245 to 265	°C	
Front Temperature	260 to 275	°C	
Nozzle Temperature	260 to 275	°C	
Processing (Melt) Temp	245 to 275	°C	
Mold Temperature	60.0 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		

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Recommended distributors for this material

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