

Sindustris PC GP5101

Polycarbonate + ABS
Sincerity Australia Pty Ltd.

Message:

Sindustris PC GP5101 is a Polycarbonate + ABS (PC+ABS) material filled with 10% glass fiber. It is available in Asia Pacific for injection molding.
Typical applications include:
Appliances
Automotive
Housings

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	General Purpose		
Uses	Appliance Components		
	Automotive Applications		
	Housings		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16 to 1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	88.3	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	6.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	4810	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	137	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	121	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 95.0	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	220 to 240	°C	
Middle Temperature	235 to 255	°C	
Front Temperature	250 to 265	°C	
Nozzle Temperature	250 to 265	°C	
Processing (Melt) Temp	235 to 265	°C	

Mold Temperature	50.0 to 80.0	°C
Back Pressure	0.200 to 0.600	MPa
Screw Speed	40 to 70	rpm

NOTE		
1.	5.0 mm/min	
2.	5.0 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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Recommended distributors for this material

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