

# Sindustris PP GP3203B

Polypropylene

Sincerity Australia Pty Ltd.

Message:

Sindustris PP GP3203B is a Polypropylene material filled with 20% mineral. It is available in Asia Pacific for injection molding. Primary attribute of Sindustris PP GP3203B: Good Weather Resistance.

Typical applications include:

Automotive

Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Good Weather Resistance		
Uses	Automotive Interior Parts		
	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.90 to 1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm)	29.4	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.20 mm)	45	%	ASTM D638
Flexural Modulus <sup>3</sup> (6.40 mm)	2450	MPa	ASTM D790
Flexural Strength <sup>4</sup> (6.40 mm)	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-10°C, 6.40 mm	34	J/m	
23°C, 6.40 mm	59	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	137	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Rear Temperature	190 to 210	°C	
Middle Temperature	200 to 230	°C	
Front Temperature	200 to 230	°C	

Nozzle Temperature	210 to 230	°C
Processing (Melt) Temp	200 to 230	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	29.4 to 58.8	MPa
Screw Speed	30 to 60	rpm

#### NOTE

1.	50 mm/min
2.	50 mm/min
3.	30 mm/min
4.	30 mm/min

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#### Recommended distributors for this material

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