

Sindustris PBT SG3251A

Polybutylene Terephthalate + PET

Sincerity Australia Pty Ltd.

Message:

Sindustris PBT SG3251A is a Polybutylene Terephthalate + PET (PBT+PET) material filled with 25% mineral. It is available in Asia Pacific for injection molding. Primary attribute of Sindustris PBT SG3251A: Good Aesthetics.

Typical applications include:

Automotive

Handles

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	Good Surface Finish		
Uses	Automotive Applications		
	Flexible Grips		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	49.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	4310	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	85.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	105	°C	
1.8 MPa, Unannealed, 6.40 mm	200	°C	
Peak Melting Temperature	225	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	245 to 255	°C	
Middle Temperature	250 to 260	°C	
Front Temperature	255 to 265	°C	
Nozzle Temperature	255 to 265	°C	

Processing (Melt) Temp	255 to 265	°C
Mold Temperature	80.0 to 100	°C
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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