

Sindustris PBT TE5101

Polycarbonate + PBT
Sincerity Australia Pty Ltd.

Message:

Sindustris PBT TE5101 is a Polycarbonate + PBT (PC+PBT) material filled with 10% glass fiber. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PBT TE5101 are:
Good Dimensional Stability
Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Dimensional Stability		
	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	81.4	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	6.0	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	3820	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	110	°C	ASTM D648
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	250 to 260	°C	
Middle Temperature	250 to 260	°C	
Front Temperature	255 to 260	°C	
Nozzle Temperature	260 to 270	°C	
Processing (Melt) Temp	260 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			
1.	50 mm/min		

2.	50 mm/min
3.	5.0 mm/min
4.	5.0 mm/min

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Recommended distributors for this material

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