

Sindustris PBT TE5012M

Polycarbonate + PBT
Sincerity Australia Pty Ltd.

Message:

Sindustris PBT TE5012M is a Polycarbonate + PBT (PC+PBT) material. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PBT TE5012M are:
Good Dimensional Stability
Good Weather Resistance
Impact Resistant
Typical application of Sindustris PBT TE5012M: Automotive

General Information			
Features	Good Dimensional Stability		
	Good Weather Resistance		
	High Impact Resistance		
Uses	Automotive Applications		
	Automotive Bumper		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	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)	47.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 100	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	1860	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	68.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	91.0	°C	
1.8 MPa, Unannealed, 6.40 mm	110	°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	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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