

Sindustris PBT TE5007F

Polycarbonate + PBT
Sincerity Australia Pty Ltd.

Message:

Sindustris PBT TE5007F is a Polycarbonate + PBT (PC+PBT) material. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PBT TE5007F are:
Flame Rated
Flame Retardant
Typical application of Sindustris PBT TE5007F: Electrical/Electronic Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Connectors		
	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	58.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 100	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	2300	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	88.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	59	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	250	°C	ASTM D3418
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
0.500 mm	V-0		
0.750 mm	V-0		

V-0

1.00 mm

5VA

V-0

1.60 mm

5VB

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	260 to 270	°C
Front Temperature	260 to 270	°C
Nozzle Temperature	260 to 270	°C
Processing (Melt) Temp	260 to 270	°C
Mold Temperature	40.0 to 80.0	°C

NOTE

- | | |
|----|------------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 2.8 mm/min |
| 4. | 2.8 mm/min |

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