

Sindustris PBT HI1003F

Polycarbonate + PBT
Sincerity Australia Pty Ltd.

Message:

Sindustris PBT HI1003F is a Polycarbonate + PBT (PC+PBT) material. It is available in Asia Pacific for injection molding.
Important attributes of Sindustris PBT HI1003F are:
Flame Rated
Flame Retardant
Impact Resistant
Typical application of Sindustris PBT HI1003F: Electrical/Electronic Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	High Impact Resistance		
Uses	Electrical/Electronic Applications		
	Switches		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.90 to 1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	50.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	50	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1910	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	73.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	440	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	90.0	°C	
1.8 MPa, Unannealed, 6.40 mm	120	°C	
Peak Melting Temperature	225	°C	ASTM D3418
RTI Elec	130	°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)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.750 mm	V-0	
1.50 mm	V-0	
2.01 mm	V-0	
	V-0	
2.30 mm	5VA	
	V-0	
3.00 mm	5VA	
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	4.0 to 5.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	240 to 255	°C
Middle Temperature	245 to 260	°C
Front Temperature	250 to 260	°C
Nozzle Temperature	250 to 265	°C
Processing (Melt) Temp	255 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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Recommended distributors for this material

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