

Sindustris PBT HI2101M

Polybutylene Terephthalate

Sincerity Australia Pty Ltd.

Message:

Sindustris PBT HI2101M is a Polybutylene Terephthalate (PBT) material filled with 10% glass fiber. It is available in Asia Pacific for injection molding.

Primary attribute of Sindustris PBT HI2101M: Impact Resistant.

Typical application of Sindustris PBT HI2101M: Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	High Impact Resistance		
Uses	Bobbins		
	Electrical/Electronic Applications		
	Switches		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70 to 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	74.5	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	5.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	3820	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	42	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	185	°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	235 to 250	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	245 to 255	°C	
Nozzle Temperature	245 to 255	°C	
Processing (Melt) Temp	245 to 255	°C	
Mold Temperature	60.0 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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