

Sindustris PBT HV1006S

Polybutylene Terephthalate

Sincerity Australia Pty Ltd.

Message:

Sindustris PBT HV1006S is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific for injection molding. Primary attribute of Sindustris PBT HV1006S: Impact Resistant.

Typical application of Sindustris PBT HV1006S: Electrical/Electronic Applications

General Information			
Features	High Impact Resistance		
Uses	Connectors		
	Electrical/Electronic Applications		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.2 to 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	51.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 100	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2060	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	44	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	54.0	°C	ASTM D648
Peak Melting Temperature	225	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	230 to 235	°C	
Middle Temperature	235 to 245	°C	
Front Temperature	235 to 245	°C	
Nozzle Temperature	240 to 250	°C	
Processing (Melt) Temp	240 to 250	°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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