

Sindustris PBT GP1001D

Polybutylene Terephthalate

Sincerity Australia Pty Ltd.

Message:

Sindustris PBT GP1001D is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific for injection molding.
Typical application of Sindustris PBT GP1001D: Automotive

General Information			
Features	General Purpose		
Uses	Automotive 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)	1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	58.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	40	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2640	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	90.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	36	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	61.0	°C	
1.8 MPa, Unannealed, 6.40 mm	170	°C	
Peak Melting Temperature	225	°C	ASTM D3418
RTI Elec	140	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Str	140	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength (23°C, 1.00 mm)	23	kV/mm	ASTM D149
Comparative Tracking Index (Solution A)	600	V	IEC 60112
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	245 to 255	°C	
Middle Temperature	245 to 260	°C	

Front Temperature	245 to 260	°C
Nozzle Temperature	250 to 265	°C
Processing (Melt) Temp	225	°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 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT