

LNP™ THERMOTUF™ WF006I compound

Polybutylene Terephthalate

SABIC Innovative Plastics

Message:

LNP THERMOTUF WF006I is a compound based on Polybutylene Terephthalate resin containing Glass Fiber. Added features of this material include: High Impact.
Also known as: LNP* THERMOTUF* Compound WF-1006 HI
Product reorder name: WF006I

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Impact resistance, high		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.20 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7600	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	82.0	MPa	ISO 527-2/5
Fracture	101	MPa	ISO 527-2/5
Tensile Strain (Break)	3.6	%	ISO 527-2/5
Flexural Modulus ²	7000	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	13	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, unannealed, 64.0mm span	218	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	190	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	2.6E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.2E-4	cm/cm/°C	ISO 11359-2
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

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

