

Tisester® PBT 30 GFR FR

Polybutylene Terephthalate

Tisan

Message:

Tisester® PBT 30 GFR FR is a Polybutylene Terephthalate (PBT) material filled with 30% glass fiber. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tisester® PBT 30 GFR FR are:

- Flame Rated
- Flame Retardant
- Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.68	g/cm ³	ISO 1183
Molding Shrinkage	0.30	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Ash Content	30	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	85		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	150	MPa	
Break	152	MPa	
Tensile Strain			ISO 527-2
Yield	2.5	%	
Break	2.7	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	8.5	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	218	°C	ISO 75-2/Be

Vicat Softening Temperature	220	°C	ISO 306/B120
Melting Temperature	225 to 230	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	300	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (3.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	110 to 120	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	220 to 250	°C	
Middle Temperature	220 to 250	°C	
Front Temperature	220 to 250	°C	
Nozzle Temperature	225	°C	
Processing (Melt) Temp	220 to 230	°C	
Mold Temperature	80.0	°C	

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

