

# Sup-tech T9703

Polybutylene Terephthalate

Shanghai Suptech Engineering Plastics Co. Ltd.

## Message:

Sup-tech T9703 is a Polybutylene Terephthalate (PBT) product filled with 15% glass fiber. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm <sup>3</sup>	DIN 53479
Molding Shrinkage	5.0E-3 to 9.0E-3	%	DIN 53464
Water Absorption			DIN 53495
23°C, 24 hr	0.050	%	
Saturation, 23°C	0.060	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	100	MPa	DIN 53455
Tensile Strain (Break)	3.0	%	DIN 53452
Flexural Modulus	5000	MPa	DIN 53457
Flexural Stress	140	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m <sup>2</sup>	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	190	°C	
Melting Temperature	220 to 225	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Electric Strength	21	kV/mm	DIN 53481
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	100	°C
Drying Time	4.0 to 10	hr
Processing (Melt) Temp	230 to 255	°C

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#### 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

