

# Tufpet PBT S1040B

Polybutylene Terephthalate  
Mitsubishi Rayon America Inc.

Message:

Tufpet PBT S1040B is a Polybutylene Terephthalate (PBT) material filled with 40% mineral. It is available in North America for injection molding. Important attributes of Tufpet PBT S1040B are:

Chemical Resistant  
Good Dimensional Stability  
Good Processability  
Heat Resistant  
High Gloss

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Electrical Properties		
	Good Moldability		
	High Gloss		
	High Heat Resistance		
	Low to No Water Absorption		
	Paintable		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.90 to 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	53.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4900	MPa	ASTM D790
Flexural Strength	85.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	39	J/m	ASTM D256
Unnotched Izod Impact	340	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	180	°C	
1.8 MPa, Unannealed	100	°C	

Injection	Nominal Value	Unit
Drying Temperature	140	°C
Drying Time	2.0	hr
Rear Temperature	230 to 303	°C
Middle Temperature	230 to 303	°C
Front Temperature	230 to 303	°C
Mold Temperature	40.0 to 100	°C
Injection Pressure	81.4	MPa
Screw Speed	80	rpm

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

