

OmniTech™ PBT FR GF30

Polybutylene Terephthalate

OMNI Plastics, LLC

Message:

OmniTech™ PBT FR GF30 is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E138590-100085681	E138590-222818	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Ignition Resistant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	117	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	6900	MPa	ASTM D790
Flexural Strength (Break)	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	204	°C	
Flammability	Nominal Value		Test Method
	V-0		
Flame Rating (2.67 mm)	5VA	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	116	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	249 to 271	°C	
Middle Temperature	249 to 277	°C	
Front Temperature	249 to 277	°C	
Nozzle Temperature	249 to 277	°C	
Processing (Melt) Temp	249 to 271	°C	
Mold Temperature	26.7 to 82.2	°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

