

# TUFBET® BGF 30FRO UV White

Polybutylene Terephthalate

SRF Ltd.

## Message:

TUFBET® BGF 30FRO UV White is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It can be processed by injection molding and is available in Africa & Middle East. Typical application: Electrical/Electronic Applications.

Characteristics include:

- Flame Rated
- Chemical Resistant
- Flame Retardant
- Good Aesthetics
- Good Mold Release

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	UV Stabilizer		
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Electrical Properties		
	Good Mold Release		
	Good Processability		
	Good Surface Finish		
	Good UV Resistance		
	Good Weather Resistance		
	High Gloss		
Uses	Electrical Parts		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (23°C, 3.00 mm)	0.20 to 0.50	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50%RH)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	100	MPa	ASTM D638
Flexural Modulus (23°C)	7500	MPa	ASTM D790
Flexural Strength (23°C)	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed	200	°C	
1.8 MPa, Unannealed	200	°C	
Melting Temperature	226	°C	ASTM D2117
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0	hr	
Rear Temperature	225	°C	
Middle Temperature	235	°C	
Front Temperature	240	°C	
Nozzle Temperature	240	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	9.81 to 137	MPa	

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#### Recommended distributors for this material

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