

# PTS PBT-30GFR-BK

Polybutylene Terephthalate  
Polymer Technology and Services, LLC

Message:

PTS PBT-30GFR-BK is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.  
Characteristics include:  
Flame Rated  
Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 3.17 mm)	117	MPa	ASTM D638
Tensile Elongation (Break, 3.17 mm)	3.0	%	ASTM D1708
Flexural Modulus (3.17 mm)	6210	MPa	ASTM D790
Flexural Strength (3.17 mm)	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	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	202	°C	
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI Str	75.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
2.50 mm	5VA		

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