

EnCom FO PBT30GF

Polybutylene Terephthalate

EnCom, Inc.

Message:

EnCom FO PBT30GF is a polybutene terephthalate (PBT) material, which contains a 30% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: profile extrusion molding or injection molding.

The main features of EnCom FO PBT30GF are:

flame retardant/rated flame

Flame Retardant

Typical application areas include:

Automotive Industry

business/office supplies

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Flame retardancy		
Uses	Application in Automobile Field		
	Business equipment		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	117	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	117	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, 3.18mm	216	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	202	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating (3.18 mm)	V-0	UL 94
Additional Information		

The rating listed as Flammability Rating, UL 94, was tested in accordance to EnCom test methods.

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Recommended distributors for this material


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