

MAXNITE® PBT 550 GF30

Polybutylene Terephthalate

MRC Polymers, Inc.

Message:

MAXNITE® PBT 550 GF30 is a Polybutylene Terephthalate (PBT) material filled with 30% glass\mineral. It is available in North America.

General Information			
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Water Absorption (Equilibrium)	0.060	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	183	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	221	°C	
1.8 MPa, Unannealed	205	°C	
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	28 to 32	%	ASTM D2584

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Recommended distributors for this material

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