

Typical Properties of Thermoplastics

MAXNITE™ 550 GF30

30% Glass Mineral Reinforced Polybutylene Terephthalate

Further information and details are available upon request.

Properties	Test Method	English	Units	S.I.	Units
PHYSICAL					
Specific Gravity	D 792	NA	1.53	NA	1.53
Water Absorption	D 570	%	0.06	%	0.06
Hardness, Rockwell	D 785	R	118	R	118
Linear Mold Shrinkage	D 696	In/in	0.003	%	0.3
Reinforcement Content	D 2584	%	30+/-2	%	30+/-2
MECHANICAL					
Tensile Strength	D 638	Psi	17,000	MPa	117.2
Elongation @ Break	D 638	%	3.0	%	3.0
Flexural Modulus	D790	Kpsi	1,000	MPa	6,890
Flexural Strength	D790	Psi	26,500	MPa	182.8
Izod Impact, notched	D256	ft-lb/in	1.4	J/m	74.7
THERMAL					
Heat Deflection Temperature	D 648				
264 psi (1.82 MPa)		°F	401	°C	205
66 psi (0.45 MPa)			430		221

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