



# Pyramid II2230 PEI

## PEI with 20% Carbon Fiber

General	ASTM #	US Value	SI Unit
Form	---	Pellets	
Filler Content (Nominal Value)	---	20 %	
Density, lb/in <sup>3</sup>	D792	0.0488	1.35 g/ml
Moisture Absorption@24hr., %	D570	0.1	
<b>Mechanical</b>			
Tensile Strength (Break), Kpsi	D638	27.6	190 MPa
Tensile Modulus, Mpsi	D638	2.32	16 GPa
Elongation (Break),%	D638	2 %	
Flexural Strength (Yield) Kpsi	D790	38.4	265 MPa
Flexural Modulus, Mpsi	D790	1.89	13 GPa
Izod, Notched, ft-lb/in @1/8"	D256	1.1	0.59 J/cm
<b>Thermal</b>			
HDT@ 264 psi, °F	D648	405	207 °C

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