



Polymics, Ltd.

High Performance Polymers & Compounds

Pyramid[®] KD2152 PEEK

PEEK with 30% Glass Fiber

General	ASTM #	US Value	SI Unit
Form		Pellets (tan)	
Composition (Polyetheretherketone)		PEEK	
Filler Content (Nominal value)	---	30 % Glass Fiber	
Density, lb/in ³	D792	0.055	1.53 g/ml
Linear Mold Shrinkage, in/in	---	0.008	0.008 cm/cm
Moisture Absorption @24hr., %	D570	0.1	
Mechanical			
Tensile Strength (Break), Kpsi	D638	18	120 MPa
Tensile Modulus, Mpsi	D638	1.17	8.1 GPa
Elongation (Break),%	D638	3.1 %	
Flexural Strength (Yield) Kpsi	D790	28	192 MPa
Flexural Modulus, Mpsi	D790	1.19	8.2 GPa
Izod, Notched, ft-lb/in @1/8"	D256	1.0	0.7 J/cm
Hardness, Rockwell M, Shore D	D2240/D792	M101	D90