



Pyramid™ KD2250-NT

Polyetheretherketone, 30% Carbon Filled

General	ASTM No.	US Value	SI Unit
Filler Content (nominal value)	---	30%	
Specific Gravity	D792	1.40 g/ml	
Linear Mold Shrinkage		0.003 in/in	
Water Absorption (24hr. @ 23 °C, %)	D570	0.06%	
Mechanical			
Tensile Strength	D638	33.6 Kpsi	232 MPa
Tensile Modulus	D638	3.3 MPsi	23 GPa
Tensile Elongation (Break), %	D638	2%	
Flexural Strength (yield)	D790	56.3 Kpsi	388 MPa
Flexural Modulus	D790	3.0 Mpsi	21 GPa
Compressive Strength	D695	34.8 Kpsi	240 MPa
Izod, notched, ft-lb/in @ 1/8"	D256	1.1	58.7 J/m
Hardness	D785	107M	124R
Thermal			
Melting Point	DSC	651	344 °C
Tg, °F	D3418	289	143 °C
CLTE, linear μin/in - °F (<Tg)	D696	7.7	14 μ m/m-°C
HDT@ 264 psi, °F	DMA/D648	599	315°C
Thermal Conductivity (Btu-in/hr-ft2 - °F)	C177	38	0.92 W/m-K
Flammability Rating	UL-94	V-0	
Other			
Dynamic Coefficient of Friction	D1894	0.16	
Poisson's Ratio	---	0.44	

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