



Pyramid KD2219 PEEK

PEEK Wear Grade

General	ASTM #	US Value	SI Unit
Density, lb/in ³	D792	0.053	1.45 g/cm ³
Filler Content (Nominal value)	----	30 %	30 %
Mechanical			
Tensile Strength, kpsi	D638	23.2	160 MPa
Modulus, Mpsi	D638	1.3	9.0 GPa
Flexural Strength kpsi	D790	32	220 MPa
Flexural Modulus, Mpsi	D790	1.3	13 GPa
Elongation (Break) %	D638	2.5	2.5
Izod, Notched, ft-lb/in @ 1/8"	D256	1.2	0.64 J/cm
Thermal			
Heat Deflection Temp.	D 648	580	300 °C
Tg (Glass Transition), °F	DSC	289	143 °C
Melting Point, °F	DSC	644	340 °C
Other			
Dynamic Coefficient of Friction	D1894	0.11	
Static Coefficient of Friction	D1894	0.11	

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