



QuantaPEEK® - PTFE20
Lubricated PEEK (20% PTFE) Extruded Stock Shape Products

Physical Properties

Specific Gravity	D792	g/cm ³	1.42
Melting Temp	D3418	°F	650
Water Absorption	D570	%	-

Mechanical Properties

Tensile Strength	D638	psi (K)	11.5
Tensile Elongation @ break	D638	%	15
Tensile Modulus	D638	psi (K)	460
Flexural Strength	D790	psi (K)	20
Flexural Modulus	D790	psi (K)	500
Compressive Strength	D695	psi (K)	
Izod Impact Strength (notched)	D256	ft-lb/in	0.8
Rockwell Hardness	D785	D	84

Thermal Properties

Deflection Temp @ 264 psi	D648	°F	340
Glass Transition (Tg)	D3418	°F	290
Flammability	UL94		V-0

Friction Properties

Coeff of Friction – Kinetic	D1894	-	0.1
Coeff of Friction – Static	D1894	-	0.1

Rods

Diameter: 1/2" - 6"
Length: 8'

Plates

12" x 48"
Thickness: 3/8" - 4"

Tubular Bars

OD: 3" - 6"
Wall Thickness >= 3/4"
Length: 4'

