

High Performance Materials For Oil and Gas Applications



Quanta™ PEEK Rod and Plate

Grades and Sizes Available from QUANTUM:

- Unfilled
- Improved Ductility
- 30% Glass Filled
- 30% Carbon Fiber Filled
- Bearing Grade (HPV)
- 20% PTFE Filled



Sizes Available from QUANTUM

- Rod: 3/8" - 8" DIA
- Plate: 3/8" - 6" THK
- Tubular Bar: Call for quote

Typical PEEK Resin Property	ISO Test Method	Units	Unfilled	Improved Ductility	w/30% Glass Fiber	w/30% Carbon Fiber	Bearing 10/10/10	w/20% PTFE Fiber
Specific Gravity	1,183	g/cm ³	1.30	1.30	1.53	1.41	1.45	1.40
Hardness, Shore D	868	-	88	84	91	90	86	81
Tensile Modulus	527	kpsi	555	493	1,653	3,102	2,088	464
Tensile Strength (Yield)	527	psi	13,900	13,800	23,900	28,000	21,800	11,300
Tensile Elongation (Break)	527	%	25	40	2.7	2.0	2.8	25
Izod Notched Impact Strength	180/A	kJ m ⁻²	4.4	9.0	12.8	10.3	9.0	8.0
Izod Un-notched Impact Strength	180/U	kJm ⁻²	No break	No break	56	44	34	No break
Heat Deflection Temperature	75-f	°C	157	168	315	315	291	150

More Procuts Made in the USA and Available from Quantum

PEI

ULTEM™ 1000
ULTEM™ 2300

PVDF

KYNAR® 740
KYNAR® UHM-6020

PPS

Unfilled Impact Modified
40% Glass Fiber Filled

Call Toll Free: 1.877.737.7012

We are an ISO 9001:2015 certified company

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