



QuantaPEEK®-CF30

Carbon Fiber Filled PEEK

QuantaPEEK-CF30

Physical Properties			30% CF
Specific Gravity	D792	g/cm ³	1.41
Water Absorption (24 Hrs)	D570	%	0.1
Mechanical Properties			
Tensile Strength	D638	psi (K)	29
Tensile Modulus	D638	psi (K)	2900
Tensile Elongation, Break	D638	%	1.7
Flexural Strength (yield)	D790	psi (K)	45
Flexural Modulus	D790	psi (K)	2500
Izod Impact Strength, Notched	D256	ft-lb/in	1.5
Compressive Strength	D695	psi(k)	25
Hardness, Rockwell M	D2240		M102
Thermal			
HDT @ 264 psi	D648	°F	590
Flammability Rating (UL 94)	UL94	-	V-0
CTE, Linear	D696	Ppm/F	2.9
Electrical			
Volume Resistivity		Ohm-cm	10 ⁵

Rods

Diameter: 1" to 4 1/2"
Length: 4' | 8'

Sheets/Plates

Thickness: 3/8" to 4 1/2"
Size: 1' x 2' | 1' x 4'

Tubular Bars

OD: >= 2 1/2", OD: <= 5"
Wall Thickness >= 1/2"
Length: 4'



Color: Black

Conforms to MILP-46183 Type III Class 2