



QuantaSTAT® PEEK

Carbon Nano Tube Filled PEEK

QuantaSTAT PEEK

- Electrically Conductive
 - Homogenous Conductivity
 - Static Charge Management
 - Resistivity in a Narrow Range
- Base Polymer Properties Preserved
 - Extremely Small Loading
 - Minimum Ion Content
- Available in Industrial & Semiconductor Grade
- Thermally Conductive
- Superior Dimensional Stability
- Minimal Outgassing
- Excellent Surface Finish
- Ease of Processing
- High Cleanliness
- Better Aesthetics

Physical Properties			
Specific Gravity	D792	g/cm ³	1.30
Glass Transition Temp - Tg		°F	297
Melting Temp - Tm	D3417	°F	650
Continuous Use Temp Limit	D790	°F	248
Mechanical Properties			
Tensile Stress @ break	D638	psi (K)	13.2
Tensile Elongation	D638	%	9.1
Tensile Modulus	D638	psi (K)	464
Flexural Modulus	D790	psi (K)	545
Electrical Properties			
Surface Resistivity	-	Ohm/sq	10 ³ - 10 ⁶
Static Decay	FGTM-1208	sec	<= 0.22
Molecular Cleanliness (SG)			
Aqueous Leachable Anions	FGTM-1344	ppm	0.009
Aqueous Leachable Cations	FGTM-1344	ppm	0.049
Acid Leachable Metals	FGTM-1344	ppm	0.682

Rods
 Diameter: 3/8" to 6"
 Length: 4' | 8' | Custom

Sheets/Plates
 Thickness: 3/8" to 3"
 Size: 1' x 4'

Tubular Bars
 OD: 3" to 6"
 Wall Thickness >= 1/2"
 Length: 4'

