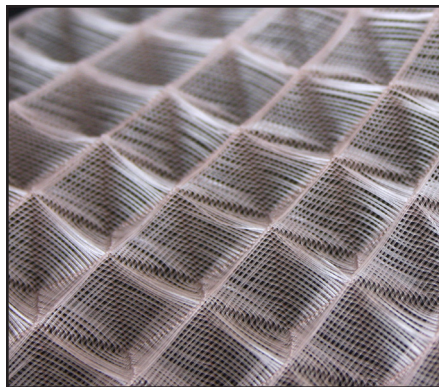
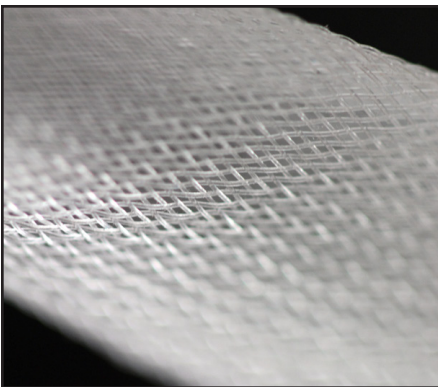
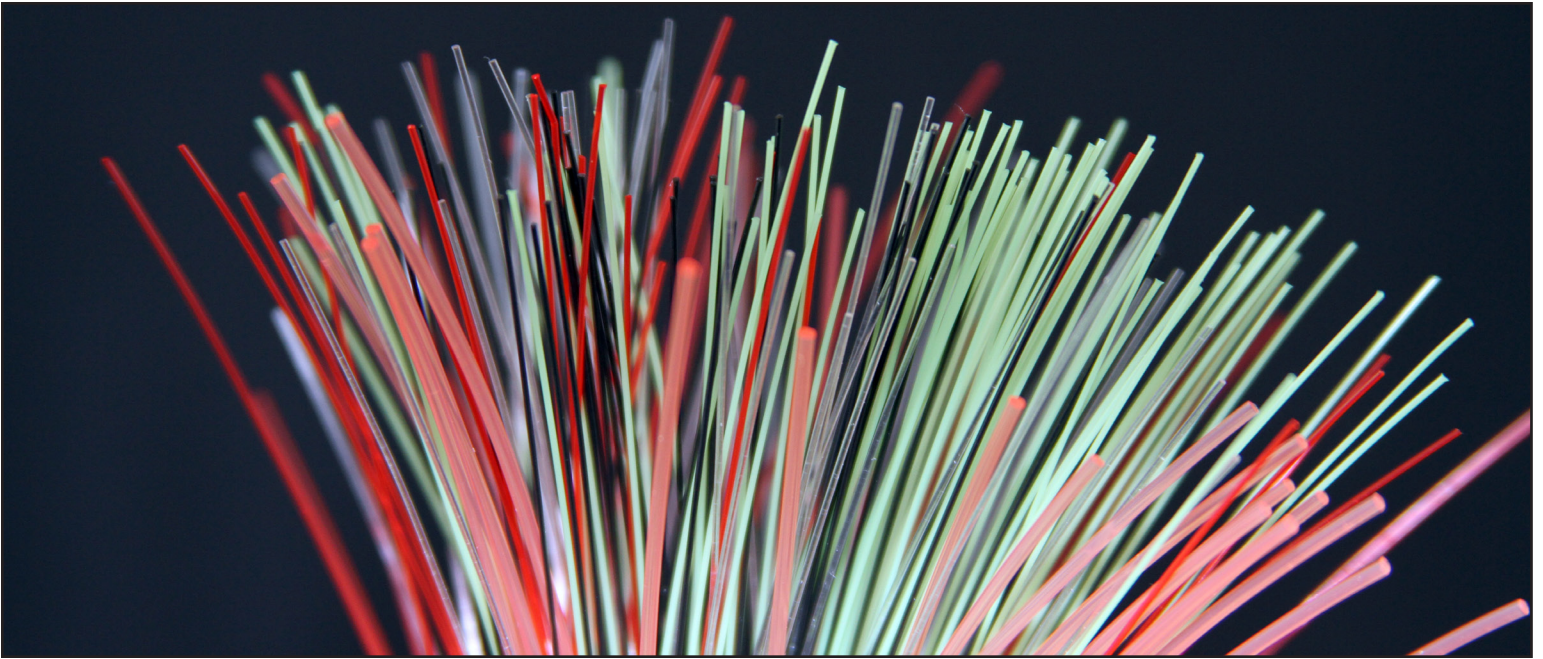




ADVANCED POLYMER SCIENCE FOR NEW TECHNOLOGIES



Zeus' fiber allows engineers more flexibility when working with aerospace, semiconductor and chemical applications.

- Able to withstand challenging environments, PEEK fiber performs well in temperatures up to 500°F/260°C and is commonly used to create braided sleeving that is expandable and flexible.
- PFA fiber is used to make meshes for filter applications, where its purity and resistance to chemical attack ensure a long service life.
- With a low coefficient of friction and a luminous transmission of 96%, FEP fiber is one of the most lubricious and optically clear monofilament available.
- ETFE fiber is radiation resistant and allows for repeated Gamma sterilization without any adverse effects on its mechanical properties.
- With properties that approach those of other high performance materials, but without the associated costs, ECTFE fiber is an excellent option.

Standard and Customized Performance Fiber

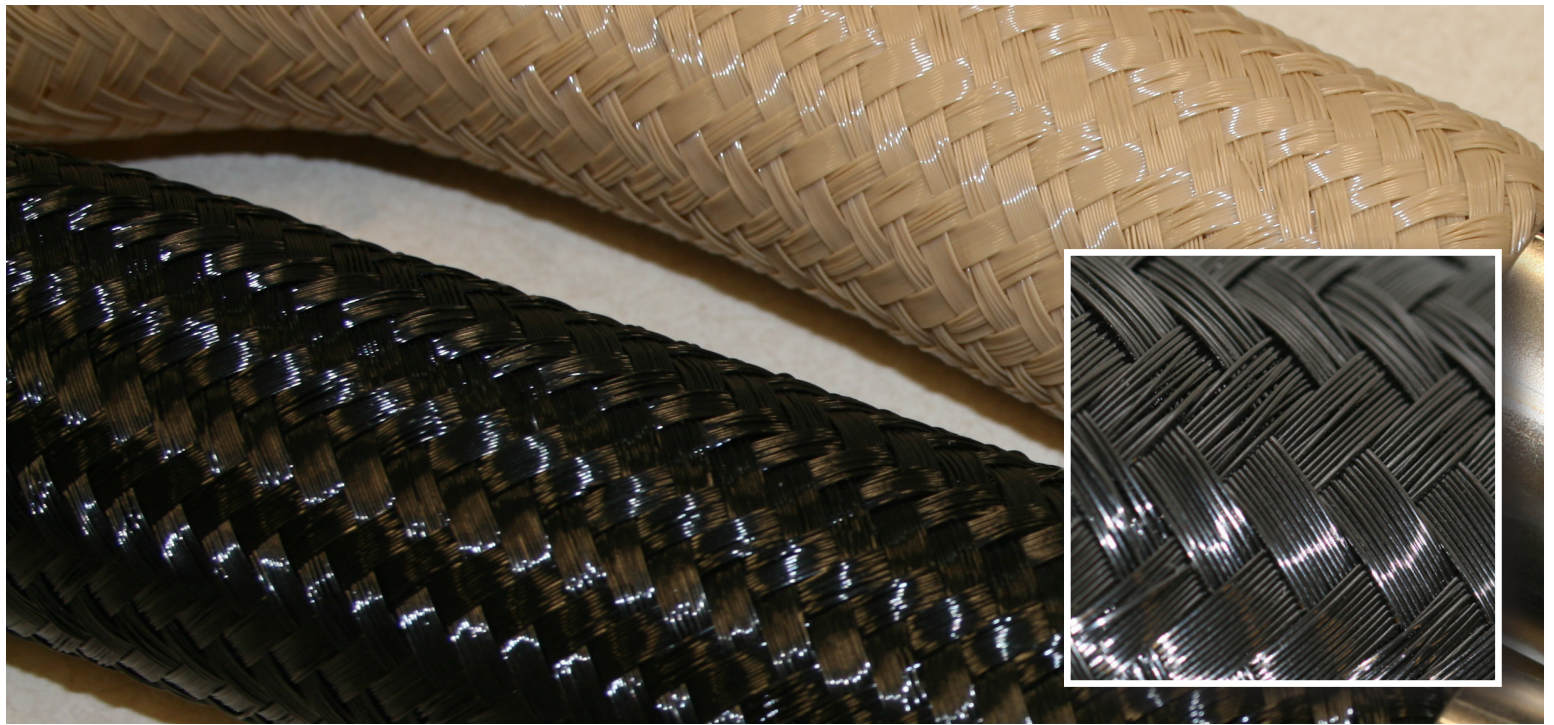
Zeus offers an arsenal of fibers designed to perform in diverse and demanding applications. Properties such as high tensile strength, optical clarity, and extreme chemical and temperature resistance define Zeus fiber. These lightweight monofilaments also have superior friction and wear properties, and are ideal for use in abrasive environments. Our standard product offering ranges in size from .003" - .040" and includes fibers made from PEEK, PFA, FEP, ETFE, PVDF and ECTFE. Other resins and customized products are available upon request.

Capitalizing on more than 40 years of performance polymer experience, Zeus continues to provide superior products with the highest standards of quality and control. Whether it's braided for a wiring harness, woven for a filter, or chopped for composites, Zeus fibers excel in the most demanding environments and applications.



www.zeusinc.com

1.888.893.2572



PERFORMANCE FIBER KEY PROPERTIES

PEEK Fiber

High tensile strength
Abrasion resistant
Lightweight material

FEP Fiber

Very robust
Luminous transmittance of 96%
Excellent lubricity

ECTFE (Halar) Fiber

Impact and temperature resistant
Superior surface smoothness
Excellent value

PFA Fiber

Superior purity
Chemical resistant
Long service life

ETFE (Tefzel) Fiber

Superior mechanical toughness
Chemical inertness
Radiation resistance

PVDF (Kynar) Fiber

UV stability
Mechanically tough
Abrasion resistant

PEEK FIBER SPECIFICATIONS (Natural or Black)

SPECIFICATION	0.010" Diameter	0.011" Diameter	0.016" Diameter	UNITS
MIN OD	0.0085	0.0095	0.0145	inches
MAX OD	0.0115	0.0125	0.0175	inches
AVG OD - 3 STD DEV	0.0085	0.0095	0.0145	inches
AVG OD + 3 STD DEV	0.0115	0.0125	0.0145	inches
MIN TENSILE STRENGTH	4	5.5	11	lbs
MIN TENACITY	3	3.6	3.7	GPD
MIN REL ELONGATION @ 2 GPD	4	5	5	%
MAX REL ELONGATION @ 2 GPD	9	10	11	%
MIN ELONGATION @ BREAK	18	18	20	%
MAX ELONGATION @ BREAK	30	30	35	%
MIN SHRINKAGE	3	3	2	%
MAX SHRINKAGE	5	5	6	%

Properties based on standard Zeus PEEK Fiber. Custom colors, diameters, and properties available. Contact Zeus for additional details.

► Advancing Your Ideas

Your ideas have the potential to transform the world. The right partners will help make it happen. Talk to Zeus about how polymer science can advance your ideas. We welcome the opportunity to collaborate with you.



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