Engineered Surface Tubing

Enhanced Extrusions to Accelerate Production

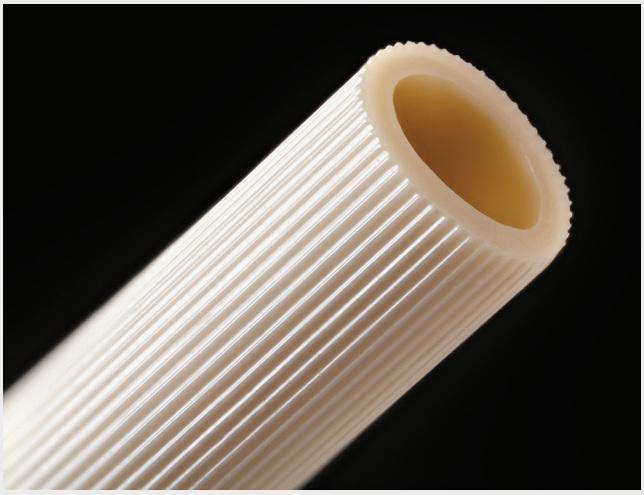
Custom Sizes Available

OVERVIEW

Accelerate your production with Zeus Engineered Surface tubing. When Zeus scientists engineered a process to increase lubricity while decreasing drag force through micro-structured channels, or "reeds," we immediately thought applications could be exponential in various industries. We've seen success as customers in industries such as automotive, aerospace, fiber optics, fluid management, energy, and medical have eagerly explored uses for this exciting technology.

The "reeds" created by our manufacturing process lower the coefficient of friction by reducing surface contact area. Without additives or fillers, our engineered surface process enhances the lubricity on either the inner or outer (or both) surface. Zeus can apply engineered surface on a complete range of high-performance extruded products, including PTFE, PEEK, FEP, PFA, PVDF, ETFE, and Nylon.

Independent testing found that Zeus PEEK Engineered Surface tubing was up to 42 percent more lubricious than standard PEEK tubing. Zeus engineers didn't sacrifice the performance characteristics of PEEK to achieve this improved lubricity.



Engineered surface tubing lowers friction and increases lubricity.

SECONDARY/VALUE-ADD SERVICES:

Cut Lengths
Drilling
Fillers

CHEMICAL RESISTANCE

LUBRICIOUS

ABRASION RESISTANCE

APPLICATIONS

- *Custom profile slot liners*
- *Sheathing for fiber optics*
- *Push/pull cables for automotive & aerospace*
- *Fluid handling tubing*
- *Medical tubing*

CAPABILITIES AND SIZING

- *Laser marking to track tubing*
- *No additives or fillers to leech*
- *Available in multiple resins*

KEY PROPERTIES

- *Reduced surface contact area*
- *Strain-free movement*

ZEUS®

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