

EXTRUMED™

PEEK™ Extrusion



Applications for Tubing

Cardiovascular, Peripheral, Neurovascular, Laparoscopic, Orthopedic Applications

Vesta's ExtruMed™ precision extrusion solutions optimize the clinical outcome of PEEK™ tubing for the medical device industry.

Function

- Metal tube replacement
- High column strength and heat resistance
- Good pushability and torque properties
- Low elongation/High Tensile strength
- Amorphous or crystalline alternatives
- Very low moisture absorption
- Good wear and abrasion resistance
- Short term body contact and long term implant grades available

Description

PEEK™ (Polyether Ether-Ketone) is a high performance engineering thermoplastic with unique strength and heat resistant properties. PEEK™ is one of the few polymers that can be considered for use as a metal replacement for high temperature applications. It is acceptable for use in chemical,

air and water lines. It is non-metallic and does not contain ferromagnetic materials that can interfere with magnetic resonance imaging (MRI). PEEK™ combines strength, purity, chemical resistance and ease of processing with superb sterilization resistance.

Technology

Integrating Materials, Tooling, Process and Quality Control

Vesta uses dedicated equipment with the latest technology and expertise to produce precision high temperature tubing.

Competency

Our PEEK™ tubing is extruded to precision tolerances:

- OD sizes from 0.010" – 0.175"
(0.254 mm – 4.45 mm)
- Tolerances as low as +/-0.0005" (0.0127 mm)
- Single-lumen, multilumen and beading (solid rod)
- Bump or tapered tube

Molding | Extrusion | Assembly

Silicone inquiries: 414.423.0550 | Thermoplastic inquiries: 951.547.7400
sales@vestainc.com | www.vestainc.com

ISO 13485:2003 Certified