



PEEK Tubing

Polyetheretherketone (PEEK) refers to a linear thermoplastic polymer whose macromolecular main chain is composed of aryl groups, ketone bonds and ether bonds. PEEK medical tubing is made from extrusion process. PEEK tubing has excellent properties such as high tensile strength, high heat resistance, high chemical resistance, high buckling resistance, good pushability and radiopacity. It can replace metal in some applications.

Key Features

- Exceptional dimensional accuracy: Inner and outer diameter tolerances can reach as tight as 0.03 mm (0.0012 inch)
- Customization of different sizes to meet specific customer needs
- Superior crystallinity

Applications

- It can be used in series of flexible endoscopes for digestive tract, respiratory tract, biliary tract, urinary tract, etc.

Technical Data	Unit	Typical Value
Material		PEEK
Inner diameter	mm (inch)	0.7 ~ 5 (0.0276 ~ 0.200)
Wall thickness	mm (inch)	0.1 ~ 0.8 (0.0039 ~ 0.0315)
Tolerance	mm (inch)	± 0.03 (0.0012)

Quality Management

PT&C implements a strict ISO13485 quality management system and builds a standardized ISO Class 8 clean room to ensure that the products meet the biological requirements of medical devices. At the same time, advanced manufacturing equipment and precision measuring instruments, as well as strict inspection and testing methods, ensure that the quality of the products meets the requirements for the use of high-end medical devices.

Ordering Information

Our experts can guide you in material selection, tubing/filament specifications, and custom-cut lengths to fit your specific biodegradable tubing/filament requirements.