

Ultra-T PEEK Tubing and Medical Applications: Restrictions and Guidance - Tech Information

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Clarifying the Use of Ultra-T™ grade of PEEK Tubing in Medical or Clinical Applications

While PEEK (Polyether Ether Ketone) is a high-performance polymer known for its biocompatibility, chemical resistance, and sterilizability, the Ultra-T™ brand of PEEK tubing is not intended or approved for use in medical applications, including human or animal contact.

Important Regulatory Clarification

- Natural, unmodified PEEK is recognized by the FDA for certain long-term implantable medical devices.
- Ultra-T™ PEEK tubing is specifically manufactured and quality-controlled for laboratory and analytical applications, such as HPLC and fluid transfer systems. The identification stripes are co-extruded onto the outer surface of the tubing, ensuring they cannot be removed with acetone and do not contaminate the inner flow path.
- It has not undergone the rigorous biocompatibility testing, sterilization validation, or FDA regulatory review required for use in medical devices or clinical environments.

About Ultra-T™ Tubing

- Superior inner diameter (ID) tolerances compared to other PEEK tubing brands for better HPLC results.
- Made from high-purity PEEK resin, suitable for high-pressure and chemically aggressive environments.
- While some other brands use painted stripes for visual identification that can be removed with acetone or other solvents, Ultra-T™ tubing features co-extruded stripes that are permanently bonded to the outer surface and are completely isolated from the interior flow path.
- Designed for analytical instrumentation, not for implantation, infusion, or diagnostic use in humans or animals.

Summary

Feature	Ultra-T™ PEEK Tubing
FDA-approved for medical use	 No
Suitable for lab/HPLC use	 Yes
Biocompatibility tested	 Not certified
Sterilizable (e.g., EtO, autoclave)	 Yes (natural PEEK only)
Markings removable with acetone	 Yes

If your application involves medical devices, clinical diagnostics, or implantable components, we strongly recommend sourcing PEEK tubing that is specifically certified for medical use and supported by full regulatory documentation.

 Click [HERE](#) for High-Pressure Tubing Ordering Information and Images

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