MicroLumen
HIGH PERFORMANCE MEDICAL TUBING

PTFE / COMPOSITE

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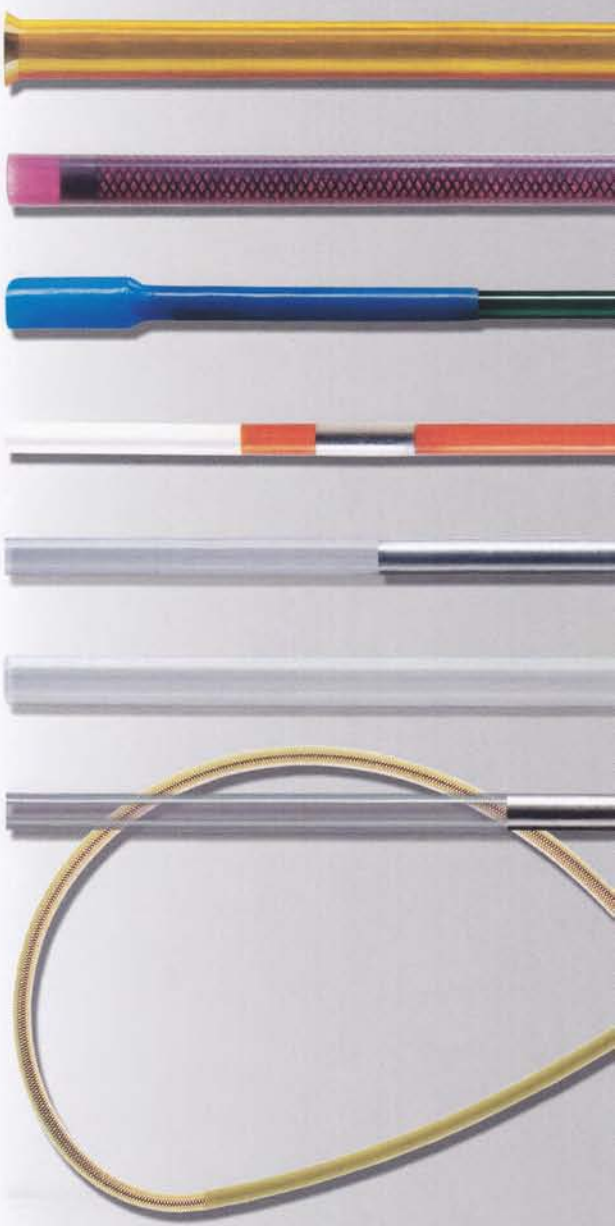
- Both PTFE composites and ultra-thin Pure PTFE liners reduce the coefficient of friction, which is ideal for guidewire usage.
- Coefficient of friction:
  Pure PTFE = 0.1
  PTFE composite = 0.3
  Polyimide = 0.5
- PTFE composites offer the benefits of fluoropolymers without the bonding and flaking problems typically associated with Pure PTFE liners.
- Composites can withstand gamma sterilization, whereas Pure PTFE liners can not.
- Pure PTFE liners can be provided on a mandrel for secondary processes.
- Thickness range of 0.0005" to 0.0015"
- Multi-durometer constructions provide variable flexibility throughout the length of the shaft.
- The most common thermoplastic materials used are Pebax, Nylon and Urethanes.
- Many color choices for marketing of your device
- Embedded marker bands
- A-traumatic tips for improved steer-ability
- Tapered and flared tube ends provide critical lead-in and/or distal features
- Multi-lumen profiles for multi-channel, multi task applications.



MicroLumen's unique process of incorporating PTFE composites with Polyimide provides mechanical properties far superior to conventionally extruded tubing. We can also combine thermoplastics into the tube design for variable flexibility & multi-lumen constructions.

7624 Bald Cypress Place | Tampa, FL 33614 USA
Phone 813-886-1200 | Fax: 813-886-3262 | ***www.microlumen.com***