

TYPICAL APPLICATIONS

- Cardiovascular catheters
- · Urological retrieval devices
- Neurological applications
- · Fiberoptics
- · Intravascular drug delivery
- · Balloon Angioplasty & Stent delivery

POLYIMIDE FEATURES

- · Superior pushability & tractability
- · Flexible & Kink resistant
- · Column strength
- · Ultra-smooth & transparent
- · Chemically inert
- · Transmits torque
- Tolerant to Gamma, EtO & E-beam sterilization
- · Various colors
- · USP Class VI Compliant

STANDARD SIZE/TOLERANCES

- Standard ID sizes from 0.004" to 0.086" (0.10mm to 2.18mm)
- Wall thickness from 0.0005" to 0.008" (0.0127mm to 0.2032mm)

ID SIZE/TOLERANCES

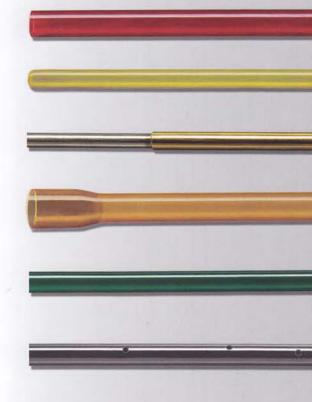
ID > 0.0200" (0.51 mm) Tolerance: \pm 1% of Nominal ID < 0.0200" Tolerance: \pm 0.0002" (0.005 mm) of Nominal

WALL THICKNESS/TOLERANCES

Wall > 0.0010'' (0.025 mm) Tolerance: $\pm 0.00025''$ (0.006 mm) Wall < 0.0010'' Tolerance: + 0.00025'', - 0''

MATERIAL PROPERTY INFORMATION

220°C Minimum (428°F)
400°C Minimum (752°F)
20,000 PSI Minimum
11,000 PSI Minimum
(Hoop Stress x Wall Thickness)/OD Radius
Excellent, most solvents/solutions
3.0 X 10° Gamma Dose rd
35.0 X 10 ⁻⁵ Cal/sec/cm ² /°C/cm
4.0 X 10 ⁻⁵ /°C
50% Nominal
4,000 Volts/0.001" Minimum
3.4
Nonexistent
1.41 g/cc
0.5





MICROCUT

Eliminate your need for in-house trimming by relying on MicroLumen to provide you with precision, custom lengths. The MicroCut trim process allows us to consistently and accurately trim short lengths with square ends.

Trim capabilities as short as 0.0100" (0.25 mm)

Tolerances of +/-0.005'' (0.13mm) to +/-0.15% of length

Greatly reduces profile distortion compared to standard trim methods.

Shorter lead times due to an automated in-house process.

Applications include markers, spacers, washers, bushings, and insulative sleeving.

MicroView diagnostic capabilities.

Contract trimming available upon request.

Reduces end flash