PT&C
Precision Tube & Catheter Inc.

# PET Heat Shrink Tubing

PET heat shrink tubing is widely used in medical devices such as vascular intervention, structural heart disease, tumors, electrophysiology, digestion, respiration, and urology due to its excellent properties in the areas of insulation, protection, stiffness, sealing, fixation, and strain relief.
PET heat shrink tubing is developed by AccuPath to have an ultra-thin wall and high heat shrink ratio, making it an ideal polymer material for design of medical devices and manufacturing technology. This tubing features excellent electrical insulation performance to improve the electrical safety performance of medical devices. Fast delivery is available to shorten the research and development cycle of medical devices.

## Key Features

- Shrinkage ratio maximum 3:1
- High strength, ultra-thin wall, minimum 0.00015"
- Minimum ID 0.006 "
- Excellent insulation performance

## Applications

- Laser welding
- Braid or coil termination
- Tube tipping
- Reflow soldering
- Silicone ballon clamping
- Catheter or guide wire
- Printing, marking

| Technical Data | Unit | Typical Value |
|---|---|---|
| Inner Diameter | mm (inch) | 0.15~8.5 (0.006~0.335) |
| Wall Thickness | mm (inch) | 0.004~0.200 (0.00015-0.008) |
| Length | mm (inch) | ≤2100 (82.7) |
| Shrink Ratio | | 1.1:1 up to 3:1 |
| Color | | Clear or can be pigmented |
| Shrink Temperature | ℃ (°F) | 100~240 (212~464) |
| Melt Temperature | ℃ (°F) | 240~260 (464~500) |
| Tensile Strength | Mpa (psi) | ≥138 (≥20000) |
| Dielectric Strength | V/mil | > 3000 |
| Sterilization | | Ethylene Oxide (EtO), Gamma, Electron beam |
| Biocompatibility | | Compliant to ISO 10993 and USP Class VI biocompatibility |
| Enviroment Compliance | | Compliant to RoHS and Reach regulation |

**PET heat shrink tubing storage conditions: temperature 18℃ to 28℃, humidity ≤ 65% and out of direct sunlight.**

## 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.