



PET Heat Shrink Tubing

Overview

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.

01. An ultra-thin wall (the thinnest wall thickness can reach 0.00015")

02. High heat shrink ratio (reach up to 2:1).

03. Fast delivery (standard size leading time 2 weeks and customized size leading time 4 weeks)



RoHS
Compliant



Tensile
Strength



Bio
Compatible



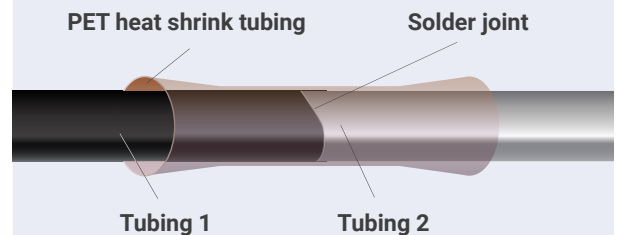
Dielectric
Strength

Key Features

- Ultrathin wall, super tensile
- Lower shrinkage temperature
- Smooth inner and outer surfaces
- High radial shrinkage
- Excellent biocompatibility
- Excellent dielectric strength

Applications

- Laser welding
- Braid or coil termination
- Tube tipping
- Reflow soldering
- Silicone balloon 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)
Color		Clear, Black, White and Customized
Shrink Ratio		1.2:1, 1.5:1, 2:1
Shrink Temperature	°C (°F)	100~240 (212~464)
Melting Temperature	°C (°F)	240~260 (464~500)
Tensile Strength	Mpa (PSI)	≥138 (20000)
Sterilization Method		Steam, Ethylene Oxide (EtO)
Cytotoxicity Test		Pass ISO 10993-5: 2009
Hemolytic Properties Test		Pass ISO 10993-4: 2017
Heavy Metal Test		<2ppm,
- Lead/Pb		according to RoHS 2.0, (EU)
- Cadmium/Cd		2015/863
- Mercury/Hg		
- Chromium/Cr (VI)		

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

Standard Product

Product Code	Inner Diameter	Wall Thickness	Length	Shrink Ratio	Color
B.M0.S04	0.08"±0.004"	0.001"±0.0002"	50"	1.3: 1	Clear Blue
B.M0.S05	0.042"±0.002"	0.0004"±0.0001"	50"	1.3: 1	Clear
B.M0.S06	0.018"±0.001"	0.0005"±0.0001"	50"	1.3: 1	Clear
B.M0.S07	0.016"±0.001"	0.0004"±0.0001"	50"	1.3: 1	Clear
B.M0.S08	0.014"±0.001"	0.0004"±0.0001"	50"	1.3: 1	Clear
B.M0.S09	0.108"±0.006"	0.001"±0.0002"	50"	1.3: 1	Black
B.M0.S10	0.166"±0.008"	0.001"±0.0002"	50"	1.3: 1	Black
B.M0.S11	0.24"±0.012"	0.001"±0.0002"	50"	1.3: 1	Black
B.M0.S12	0.014"±0.001"	0.00025"±0.0001"	50"	1.3: 1	Clear
B.M0.S13	0.018"±0.001"	0.00025"±0.0001"	50"	1.3: 1	Clear

Order Information

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

E-MAIL US TO ORDER SAMPLES TODAY.
customer@accupathmed.com

