



PMGCOMPANY

SPECIALISTS IN HEAT SHRINK TUBING AND CABLE HARNESSING PRODUCTS

Medical Tubing Guide

Friday, 08 January 2021

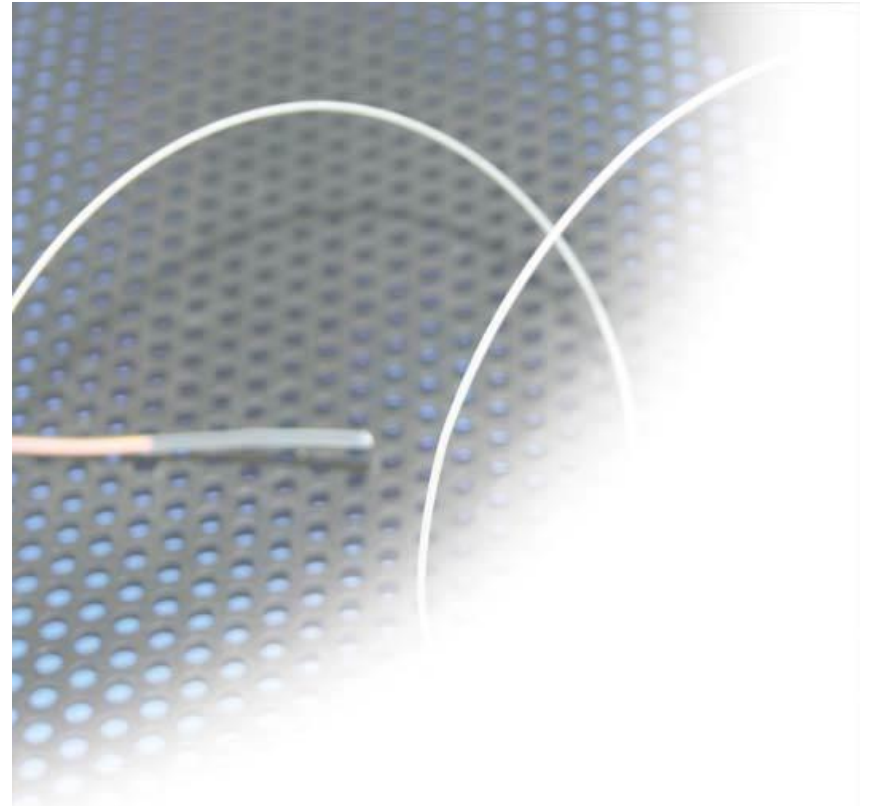
Medical Tubing Common Applications.



- Abrasion protection for laparoscopic instruments and in-vivo diagnostic probes. (KBM100,FPBM100 and MT-PBX.)
- Protection and Insulation of electrosurgical and laparoscopic instruments.
(TWBM100,CCBM100, MT5500,MT6000,MT-
- Protection and insulation of highly flexible joints.(MT-5500).
- Protection of delicate high value devices.(MT-PBX, TWBM100).
- Catheter shafts. (MT-PBX,TWBM100).
- Process Aid/Fusing sleeves. (TWBM100, MT-FEP).
- Bonding of dissimilar materials.(MT-FEP, MT-LWA,MT-PBX).
- Laser welding.(MT-LWA).
- Strain relief.
(KBM100,FPBM100,CCBM100,MT5500,MT-PBX.
- Identification and colour coding of surgical devices.(CCBM100).
- Suture assembly. (Microfit Tubing).

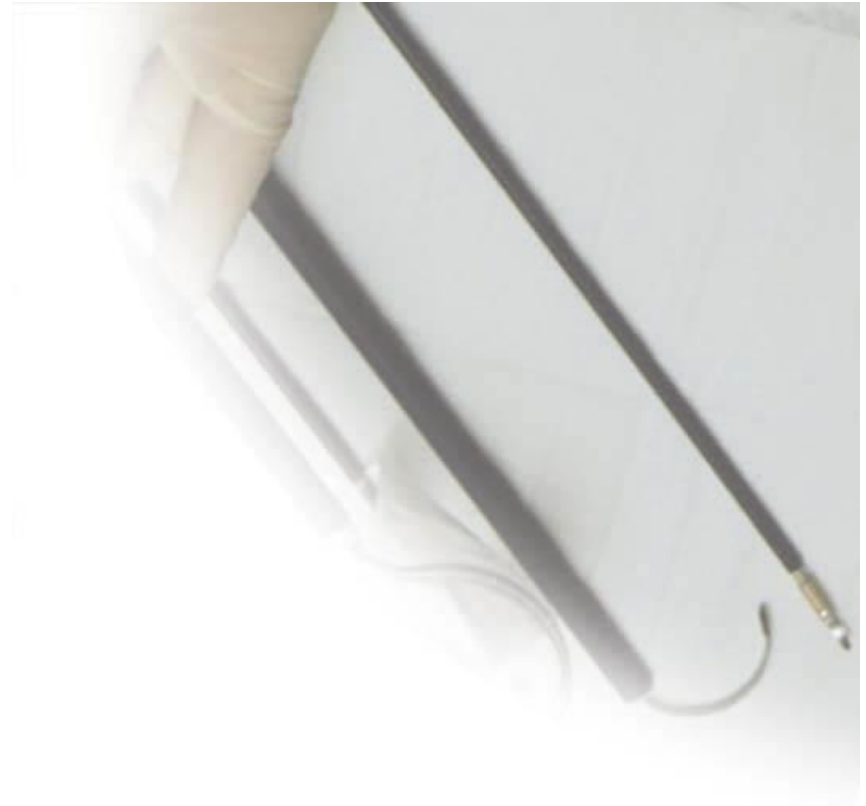
Microbore Tubing

- Small diameter high shrink ratio tubing.
- Available in 3 compounds, KBM100, TWBM100 & PLK175.
- Four standard sizes; recovered I.D's as small as 0.006”.
- Used for electrical insulation, mechanical protection and strain relief.



Medical Tubing KBM 100 Tubing

- Fluoropolymer tubing, full recovery at 175° C.
- 2:1 shrink ratio; available with an adhesive lining.
- Tough rigid, very thin wall.
- Very resistant to most fluids used in the medical industry today.
- Available in Microbore sizes.
- Can withstand repeated autoclave sterilization; and sterilization by gamma, ETO, Steam and or Dry Heat.
- Ideal for electrical insulation & strain relief of products exposed to high temperatures, and applications with clearance constraints.
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Medical Tubing TWBM100 Tubing

- High density polyolefin tubing. Full recovery at 140°C.
- 2.5:1 shrink ratio, available with adhesive lining.
- Cost effective alternative to FEP where cost is an issue.
- Lubricious and mechanical tough with excellent electrical insulation properties.
- Best suited for smaller diameter sizes.
- Available in Microfit sizes.
- Can be sterilized by Gamma or ETO.
- Ideal for applications requiring lubricity and flexibility.



Medical Tubing FPBM100

- Flexible Fluoropolymer tubing, full recovery at 150°C.
- 2:1 shrink ratio with or without adhesive lining.
- Applications, fluid resistance mechanical protection.
- Able to withstand limited autoclave sterilization, can be sterilized by Gamma Radiation, ETO and Dry-Heat.
- Ideal for applications requiring electrical insulation, strain relief, products exposed to high temperatures, and where pliancy is required.



Medical Tubing CCBM100

- Polyolefin Tubing full recovery 110°C.
- 2:1 Shrink ratio with or without adhesive lining.
- Used for colour coding as well as electrical insulation and mechanical protection.
- Can be sterilized by Gamma Radiation, or E.T.O.
- Ideal for applications requiring electrical insulation, resistance to abrasion, and resistance to harmful solvents.
- Especially suitable for color coding, strain relief, and identification of components or devices.



Medical Tubing MT5500

- Ultra flexible polyolefin tubing, full recovery at 110°C.
- Shrink ratio up to 4:1.
- Used for highly flexible mechanical protection.
- Can be sterilized by Gamma Radiation or Ethylene Oxide.
- Ideal for applications requiring highly flexible robust strain relief, as well as electrical insulation, and resistance to abrasion.
- Especially suitable for colour coding, and identification of components and devices.



Medical Tubing MT6000

- High-ratio polyolefin tubing, full recovery at 110°C.
- 4:1 shrink ratio and above.
- Can be sterilized by Gamma Radiation, or Ethylene Oxide.
- Ideal for applications requiring high expansion ratios combined with good electrical insulation, abrasion to resistance and resistance to harmful solvents.



PMG Contacts

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