

# BH-MT-PET

## Medical grade PET heat shrink tubing

### Features/Applications:

BH-MT-PET Made from Polyethylene terephthalate. Excellently withstand to weathering, heating and cracking between temperature -40°C to 125°C. Full environment friendly material can meet RoHS standard. With ultra-thin wall, extremely high tensile strength and excellent biocompatibility, PET heat shrink tubes are used for insulation, protection, rigidity, sealing, fixation and strain relief of medical devices without significantly adding to the profile of medical devices.

- Shrink Ratio: 2:1
- Minimum shrink temperature: 60°C
- Minimum fully recovery temperature: 125°C
- Operating temperature: -40°C~125°C
- Resistant to most chemicals and oils
- ISO 10993-1 compliant
- Compatibility with gamma rays and ETO sterilization
- Color: black, white, clear, blue, green, orange, grey, and yellow



## Technical Data

Property	Test Method	Typical Data
Tensile strength	ASTM D2671	≥10 Mpa
Break elongation	ASTM D2671	≥62%
Water absorption	ASTM D570	≤2.0%
Dielectric strength	ASTM D2671	≥15 KV/mm
Volume resistivity	ASTM D2671	≥10 <sup>14</sup> Ω · cm

## Product Dimensions (mm)

Nominal Size ID (mm)	Lay flat (mm)	W.T. (mm)	Horizontal shrinkage ratio(%)	Vertical Shrinkage ratio(%)
3.0	5.6±0.2	0.08±0.015	48±4	8±3
4.0	7.1±0.2	0.08±0.015	48±4	8±3
5.0	9.0±0.2	0.08±0.015	48±4	8±3
6.0	10.6±0.2	0.08±0.015	48±4	8±3
8.0	13.9±0.2	0.10±0.02	48±4	8±3
10.0	16.9±0.3	0.10±0.02	48±4	8±3
12.0	20.2±0.3	0.10±0.02	45±4	8±3
12.5	21.1±0.3	0.10±0.02	45±4	8±3
13.0	21.7±0.3	0.10±0.02	45±4	8±3
14.5	24.1±0.3	0.10±0.02	45±4	8±3
16.0	26.7±0.3	0.11±0.02	45±4	8±3
18.0	29.8±0.3	0.11±0.02	45±4	8±3
20.0	32.9±0.3	0.11±0.02	45±4	8±3
22.0	36.2±0.3	0.11±0.02	45±4	8±3
25.0	41.1±0.5	0.11±0.02	45±4	8±3
30.0	49.1±0.5	0.11±0.02	45±4	8±3