

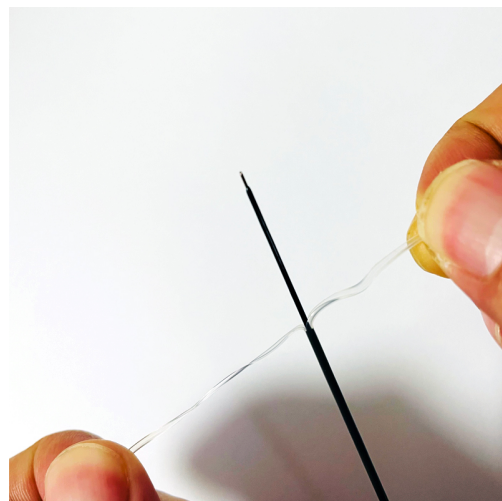
BH-2(PMT)

Medical grade polyolefin heat shrink tubing for process aid applications

Features/Applications

BH-2(PMT) is made by medical grade modified polyolefin, it can be quickly and easily peeled the heat shrink tube away from the recovered shaft while it is softening by heat. Well-suited for laser-welding operations of stents and balloons, hot jaw bonding. Widely using for process of aid production of catheter lamination, balloon tacking, tube bonding and tube forming.

- Shrink Ratio: 2:1;
- Minimum shrink temperature: 70°C
- Fully recovery temperature: +130°C~ +260°C,
- Special design it could withstand Max. 260°C in the recovery process.
- Operating temperature: -45°C~+105°C
- Removes easily after application, good axial tear propagation.
- ISO 10993-1 compliant
- USP Class VI, no heavy metals
- On plastic spools double bag packaging
- Standard color: clear



Technical Data

| Property | Test Method | Typical Data |
|--|---|------------------------------|
| Longitudinal change | ASTM D 2671 | -10%~10% |
| Concentricity as supplied | ASTM D 2671 | ≥ 70% |
| Tensile strength | ASTM D 2671,20"/minute | ≥ 1500 Mpa |
| Elongation at break | ASTM D 2671,20"/minute | ≥ 200% |
| Secant modulus (expanded) | ASTM D 2671 | ≤ 2.5 x10 ⁴ Mpa |
| Elongation at break after aging | ASTM D 2671(175°C/168 hrs) | ≥ 100% |
| Electrical dielectric strength | ASTM D 2671 | ≥ 500 volts/mm |
| Dielectric withstand | ASTM D 2671(AC3000V/60Hz) | 60 Seconds no breakdown |
| Heavy metals analysis (Cadmium,Mercury,Lead,Bismuth,Antimony) | USP XXII Physiochemical tests- plastic | ≤ 1 ppm(total of all metals) |

Product Dimensions 2:1(mm)

| Model | Size | As Supplied ID | | Recovered ID (Max) | | Recovered WT | | Package (M/Spool) |
|----------------|------|----------------|------------|--------------------|------|---------------|-----------|----------------------|
| | | Inch | mm | Inch | mm | Inch | mm | |
| BH-2(PMT)-0.6 | 1/42 | 0.028 ± 0.005 | 0.71±0.10 | 0.011 | 0.28 | 0.010 ± 0.002 | 0.25±0.05 | 200 |
| BH-2(PMT)-0.8 | 1/32 | 0.040 ± 0.005 | 1.02±0.13 | 0.014 | 0.36 | 0.011 ± 0.002 | 0.28±0.05 | 200 |
| BH-2(PMT)-1.2 | 3/64 | 0.055 ± 0.005 | 1.40±0.13 | 0.020 | 0.51 | 0.016 ± 0.003 | 0.41±0.08 | 200 |
| BH-2(PMT)-1.6 | 1/16 | 0.072 ± 0.005 | 1.83±0.13 | 0.028 | 0.71 | 0.020 ± 0.003 | 0.51±0.08 | 200 |
| BH-2(PMT) -2.0 | 5/64 | 0.078 ± 0.005 | 2.21±0.13 | 0.033 | 0.85 | 0.020 ± 0.003 | 0.51±0.08 | 100 |
| BH-2(PMT)-2.4 | 3/32 | 0.107 ± 0.008 | 2.72±0.20 | 0.041 | 1.04 | 0.020 ± 0.003 | 0.51±0.08 | 100 |
| BH-2(PMT)-3.2 | 1/8 | 0.140 ± 0.010 | 3.56±0.25 | 0.057 | 1.45 | 0.020 ± 0.003 | 0.51±0.08 | 100 |
| BH-2(PMT)-4.8 | 3/16 | 0.205 ± 0.010 | 5.21±0.25 | 0.087 | 2.21 | 0.020 ± 0.003 | 0.51±0.08 | 50 |
| BH-2(PMT)-6.4 | 1/4 | 0.275 ± 0.015 | 6.99±0.38 | 0.118 | 3.00 | 0.025 ± 0.003 | 0.64±0.08 | 25 |
| BH-2(PMT)-9.5 | 3/8 | 0.415 ± 0.020 | 10.54±0.51 | 0.170 | 4.30 | 0.025 ± 0.003 | 0.64±0.08 | Cut in length |

Customized dimensions and heat shrink ratio for your special applications on request.