

BH-MT-FEP

Medical grade FEP heat shrink tubing

Features/Applications:

BH-MT-FEP FEP medical heat shrink tubing delivers excellent electrical insulation and high-temperature resistance, ideal for components exposed to high-temperature environments with strict insulation requirements. It features outstanding liquid and corrosion resistance with physiological inertness, permitting direct skin contact. Primarily used for catheter reflow forming and insulation protection of minimally invasive & electrosurgical instruments.

- Shrink Ratio: 1.3:1 and 1.6:1;
- Minimum shrink temperature: 110℃;
- Minimum fully recovery temperature: 210℃
- Compliant with ISO 10993 and USP Class VI
- Compatibility with ETO sterilization
- Color: Transparent



Technical Data

Property	Test Method	Typical Data
Longitudinal change/%	ASTM D 2671	±10
Tensile strength/MPa	ASTM D 638	≥13.8
Elongation at break/%	ASTM D 638	≥200
Low temperature flexibility	AMS-DTL-23053 (-65℃, 4h)	No cracks
Dielectric strength/kV/mm	ASTM D 2671	≥19.7
Voltage withstand	ASTM D 149	4000V, 60s No breakdown

Product Dimensions (mm)

Model	Expanded ID (Min.) (mm)	Fully recovered ID (Max.)(mm)		Fully recovered W.T. (mm)	Standard Length (mm)
		1.3:1	1.6:1		
BH-MT-FEP-0.64	0.64	0.50	0.40	0.20±0.05	1220±10
BH-MT-FEP-0.80	0.80	0.61	0.50	0.20±0.05	1220±10
BH-MT-FEP-0.96	0.96	0.74	0.60	0.20±0.05	1220±10
BH-MT-FEP-1.1	1.10	0.85	0.70	0.20±0.05	1220±10
BH-MT-FEP-1.6	1.60	1.24	1.00	0.25±0.05	1220±10
BH-MT-FEP-2.0	2.00	1.54	1.25	0.25±0.05	1220±10
BH-MT-FEP-2.5	2.50	1.93	1.57	0.25±0.05	1220±10
BH-MT-FEP-3.0	3.00	2.30	1.88	0.25±0.05	1220±10
BH-MT-FEP-3.5	3.50	2.70	2.19	0.25±0.05	1220±10
BH-MT-FEP-4.0	4.00	3.08	2.50	0.25±0.05	1220±10
BH-MT-FEP-4.5	4.50	3.62	2.81	0.25±0.05	1220±10
BH-MT-FEP-5.0	5.00	3.85	3.12	0.25±0.05	1220±10
BH-MT-FEP-6.0	6.00	4.62	3.75	0.35±0.05	1220±10
BH-MT-FEP-7.0	7.00	5.4	4.38	0.35±0.05	1220±10
BH-MT-FEP-8.0	8.00	6.16	5.00	0.35±0.05	1220±10
BH-MT-FEP-9.0	9.00	6.93	5.63	0.35±0.05	1220±10
BH-MT-FEP-10.0	10.00	7.7	6.25	0.35±0.05	1220±10
BH-MT-FEP-11.0	11.00	8.47	6.88	0.35±0.05	1220±10

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