

BH-MT-LDPE

Medical grade LDPE thin wall heat shrink tubing

Features/Applications:

BH-MT-LDPE is a 2.5:1 shrink ratio medical grade heat shrinkable tubing made of medical grade polyolefin, and satisfies the demand of thin wall and smooth properties which invasive devices required for surgery. The excellent electrical insulation property makes it can be used in the insulation protection of electrosurgical instruments, it's the heat shrinkable tubing that widely used in medical devices.

- Shrink Ratio: 2.5:1;
- Minimum shrink temperature: 60°C;
- Minimum fully recovery temperature: 110°C;
- Manufactured to ISO 10993-1 standards;
- Supports sterilization environments: gamma and ethylene oxide (ETO);
- Standard color: Black, clear.



Technical Data

Property	Test Method	Typical Data
Longitudinal change %	ASTM D 2671	-10~+5
Tensile strength/MPa	ASTM D 638	≥10.4
Elongation at break/%	ASTM D 638	≥200
Low temperature flexibility(-30°C, 1h)	ASM-DTL-23053	No cracking
Heat shock(180°C/4 h)	ASTM D2671	No cracking
Dielectric strength/kV/mm	ASTM D 2671	≥15.7
Volume resistivity/Ω·cm	ASTM D 876	≥10 <sup>15</sup>
Water absorption (%) (23°C、24h)	ASTM D 2671 B	≤0.4

Product Dimensions (mm)

Model	Supplied (mm)		Recovered(mm)	
	Inside Diameter	Wall Thickness	Inside Diameter	Wall Thickness
BH-MT-LDPE-1.0	1.0	0.12±0.03	≤0.45	0.25±0.05
BH-MT-LDPE-2.0	2.0	0.12±0.03	≤0.80	0.25±0.05
BH-MT-LDPE-3.0	3.0	0.12±0.03	≤1.20	0.25±0.05
BH-MT-LDPE-4.0	4.0	0.12±0.03	≤1.80	0.25±0.05
BH-MT-LDPE-4.5	4.5	0.12±0.05	≤1.90	0.25±0.05
BH-MT-LDPE-4.8	4.8	0.12±0.05	≤2.00	0.25±0.05
BH-MT-LDPE-5.5	5.5	0.12±0.05	≤2.30	0.25±0.05
BH-MT-LDPE-6.0	6.0	0.12±0.05	≤2.40	0.25±0.05
BH-MT-LDPE-6.4	6.4	0.12±0.05	≤2.60	0.25±0.05
BH-MT-LDPE-9.5	9.5	0.12±0.08	≤3.80	0.25±0.05
BH-MT-LDPE-10.0	10.0	0.12±0.08	≤4.00	0.35±0.05
BH-MT-LDPE-12.7	12.7	0.12±0.08	≤5.20	0.35±0.05