

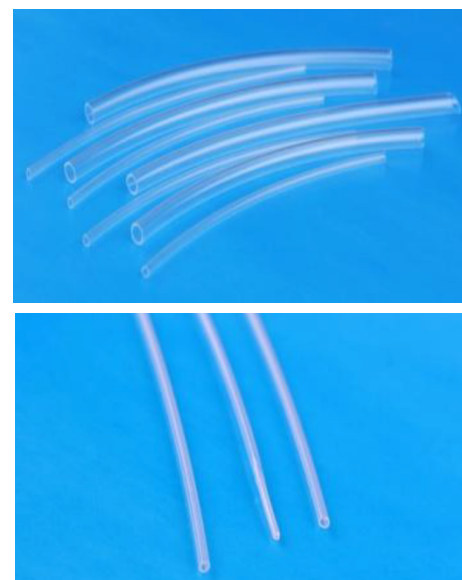
BH-MT-PTFE

Medical grade PTFE extruded liner tubing and heat shrink tubing

Features/Applications:

BH-MT-PTFE is a manufactured with polytetrafluoroethylene (PTFE). Specially designed for applications where very high temperature and chemicals resistant extreme electrical insulation. Because of its unparalleled chemical resistance and extreme temperature tolerance, this fluoropolymer has gained a high presence in everything from lifesaving medical devices.

- Shrink Ratio: Non shrink and 1.7:1;
- Operating temperature: -65°C ~ 200°C;
- Minimum fully recovery temperature: 350°C;
- ISO 10993-1 compliant;
- Compatibility with gamma rays and ETO sterilization;
- Color: Translucent.



Technical Data

Property	Specification Requirement	Test Method	Typical Value
Tensile strength	≥17.3MPa	ASTM D2671	≥22MPa
Elongation at break	≥200%	ASTM D2671	≥300%
Heat shock	No cracking	ASTM D2671 (400°C/4 hrs)	No cracking
Low temperature flexibility	No cracking	ASTM D2671 (-65°C/4 hrs)	No cracking
Volume resistivity	≥10 ¹⁵ Ω·cm	ASTM D2671	≥10 ¹⁵ Ω·cm
Dielectric strength	≥34kV/mm	ASTM D2671	34 kV/mm
Copper corrosion	No corrosion	ASTM D2671	No corrosion
No heavy metals contained			
Compatibility with gamma rays and ETO sterilization			

Product Dimensions (mm)

Tab 1. Extruded PTFE Liner Tubing

AWG#	ID(mm)	OD(mm)	OD(mm)	OD(mm)	Package	
		(S)	(T)	(L)	M/Roll	M/PC
30	0.30±0.10	0.80±0.10	0.70±0.10	0.60±0.10	305	—
28	0.38±0.10	0.88±0.10	0.78±0.10	0.68±0.10	305	—
26	0.46±0.10	0.96±0.10	0.86±0.10	0.76±0.10	305	—
24	0.56±0.10	1.16±0.10	1.06±0.10	0.86±0.10	305	—
23	0.66±0.10	1.26±0.10	1.16±0.10	0.96±0.10	305	—
22	0.71±0.10	1.31±0.10	1.21±0.10	1.01±0.10	305	—
21	0.81±0.10	1.41±0.10	1.31±0.10	1.11±0.10	305	—
20	0.86±0.10	1.66±0.10	1.46±0.10	1.16±0.10	305	—
19	0.96±0.20	1.76±0.20	1.56±0.20	1.26±0.20	200	—
18	1.07±0.20	1.87±0.20	1.67±0.20	1.37±0.20	200	—
17	1.19±0.20	1.99±0.20	1.79±0.20	1.49±0.20	200	—
16	1.35±0.20	2.15±0.20	1.95±0.20	1.65±0.20	153	—
15	1.50±0.20	2.30±0.20	2.10±0.20	1.80±0.20	153	—
14	1.68±0.20	2.48±0.20	2.28±0.20	2.08±0.20	100	—

13	1.93±0.20	2.73±0.20	2.53±0.20	2.33±0.20	100	—
12	2.16±0.25	2.96±0.25	2.76±0.25	2.56±0.25	100	—
11	2.41±0.25	3.21±0.25	3.01±0.25	2.81±0.25	150	—
10	2.69±0.25	3.49±0.25	3.29±0.25	3.09±0.25	150	—
9	3.00±0.25	4.00±0.25	3.80±0.25	3.40±0.25	150	—
8	3.38±0.25	4.38±0.25	4.18±0.25	3.78±0.25	100	—
7	3.76±0.25	4.76±0.25	4.56±0.25	4.16±0.25	100	—
6	4.22±0.25	5.22±0.25	5.02±0.25	4.80±0.25	100	—
5	4.72±0.25	5.72±0.25	5.52±0.25	5.32±0.25	50	—
4	5.28±0.30	6.28±0.30	6.08±0.30	5.88±0.25	50	1.0
3	5.94±0.30	6.94±0.30	6.74±0.30	6.54±0.25	—	1.0
2	6.68±0.30	7.68±0.30	7.48±0.30	7.28±0.25	—	1.0
1	7.46±0.30	8.46±0.30	8.26±0.30	8.06±0.25	—	1.0
0	8.38±0.30	9.38±0.30	9.18±0.30	8.98±0.25	—	1.0
Customized dimensions are available on request for your special application.						

Tab 2. Heat shrink PTFE tubing

Mode I#	As supplied (mm)		After fully recovered (mm)		Standard Length (Meter/Spool)
	I.D.	W. T.	I.D.(max)	W.T.	
1.7:1 Shrink ratio (Thick Type)					
BH-MT-PTFE-1.7X-H-0.5	0.5±0.2	0.15±0.05	0.4	0.25±0.05	200
BH-MT-PTFE-1.7X-H-1.0	1.0±0.2	0.15±0.05	0.6	0.25±0.05	200
BH-MT-PTFE-1.7X-H-1.5	1.5±0.2	0.20±0.05	0.9	0.25±0.05	200
BH-MT-PTFE-1.7X-H-2.0	2.0±0.2	0.20±0.05	1.2	0.30±0.05	200
BH-MT-PTFE-1.7X-H-2.5	2.5±0.3	0.20±0.05	1.5	0.30±0.05	200
BH-MT-PTFE-1.7X-H-3.0	3.0±0.3	0.20±0.05	1.8	0.30±0.05	200
BH-MT-PTFE-1.7X-H-3.5	3.5±0.3	0.20±0.05	2.1	0.30±0.05	200
BH-MT-PTFE-1.7X-H-4.0	4.0±0.3	0.20±0.05	2.4	0.30±0.05	100
BH-MT-PTFE-1.7X-H-4.5	4.5±0.3	0.20±0.05	2.7	0.30±0.05	100
BH-MT-PTFE-1.7X-H-5.0	5.0±0.3	0.20±0.05	3.1	0.30±0.05	100
BH-MT-PTFE-1.7X-H-5.5	5.5+0.5/-0.2	0.20±0.05	3.3	0.30±0.05	100
BH-MT-PTFE-1.7X-H-6.0	6.0+0.5/-0.2	0.25±0.05	3.6	0.38±0.05	100
BH-MT-PTFE-1.7X-H-6.5	6.5+0.5/-0.2	0.25±0.05	3.8	0.38±0.05	100
BH-MT-PTFE-1.7X-H-7.0	7.0+0.5/-0.2	0.25±0.05	4.2	0.38±0.05	100
BH-MT-PTFE-1.7X-H-7.5	7.5+0.5/-0.2	0.25±0.05	4.5	0.38±0.05	100
BH-MT-PTFE-1.7X-H-8.0	8.0+0.8/-0.2	0.25±0.05	4.8	0.38±0.05	100
BH-MT-PTFE-1.7X-H-8.5	8.5+0.8/-0.2	0.25±0.05	5.0	0.38±0.05	100
BH-MT-PTFE-1.7X-H-9.0	9.0+0.8/-0.2	0.25±0.05	5.3	0.38±0.05	100
BH-MT-PTFE-1.7X-H-9.5	9.5+0.8/-0.2	0.25±0.05	5.6	0.38±0.05	100
BH-MT-PTFE-1.7X-H-10.0	10+0.8/-0.2	0.25±0.05	5.9	0.38±0.05	100
1.7:1 Shrink ratio (Thin Type)					
BH-MT-PTFE-1.7X-B-0.5	0.5±0.2	0.10±0.05	0.4	0.15±0.05	200
BH-MT-PTFE-T1.7X-B-1.0	1.0±0.2	0.10±0.05	0.6	0.15±0.05	200
BH-MT-PTFE-1.7X-B-1.5	1.5±0.2	0.10±0.05	0.9	0.15±0.05	200

BH-MT-PTFE-1.7X-B-2.0	2.0±0.2	0.10±0.05	1.2	0.15±0.05	200
BH-MT-PTFE-1.7X-B-2.5	2.5±0.3	0.10±0.05	1.5	0.15±0.05	200
BH-MT-PTFE-1.7X-B-3.0	3.0±0.3	0.15±0.05	1.8	0.20±0.05	200
BH-MT-PTFE-1.7X-B-3.5	3.5±0.3	0.15±0.05	2.1	0.20±0.05	200
BH-MT-PTFE-1.7X-B-4.0	4.0±0.3	0.15±0.05	2.4	0.20±0.05	100
BH-MT-PTFE-1.7X-B-4.5	4.5±0.3	0.15±0.05	2.7	0.20±0.05	100
BH-MT-PTFE-1.7X-B-5.0	5.0±0.3	0.15±0.05	3.1	0.20±0.05	100
BH-MT-PTFE-1.7X-B-5.5	5.5+0.5/-0.2	0.15±0.05	3.3	0.20±0.05	100
BH-MT-PTFE-T1.7X-B-6.0	6.0+0.5/-0.2	0.15±0.05	3.6	0.25±0.05	100
BH-MT-PTFE-1.7X-B-6.5	6.5+0.5/-0.2	0.15±0.05	3.8	0.25±0.05	100
BH-MT-PTFE-1.7X-B-7.0	7.0+0.5/-0.2	0.18±0.05	4.2	0.25±0.05	100
BH-MT-PTFE-T1.7X-B-7.5	7.5+0.5/-0.2	0.18±0.05	4.5	0.25±0.05	100
BH-MT-PTFE-1.7X-B-8.0	8.0+0.8/-0.2	0.18±0.05	4.8	0.25±0.05	100
BH-MT-PTFE-1.7X-B-8.5	8.5+0.8/-0.2	0.18±0.05	5.0	0.25±0.05	100
BH-MT-PTFE-1.7X-B-9.0	9.0+0.8/-0.2	0.18±0.05	5.3	0.25±0.05	100
BH-MT-PTFE-1.7X-B-9.5	9.5+0.8/-0.2	0.18±0.05	5.6	0.25±0.05	100
BH-MT-PTFE-1.7X-B-10.0	10+0.8/-0.2	0.20±0.05	5.9	0.25±0.05	100
4:1 Shrink ratio					
BH-MT-PTFE-4X-2.5	2.5+0.5/-0.2	0.10±0.05	0.62	0.25±0.05	200
BH-MT-PTFE-4X-3.0	3.0+0.5/-0.2	0.10±0.05	0.75	0.25±0.05	200
BH-MT-PTFE-4X-3.5	3.5+0.5/-0.2	0.10±0.05	0.87	0.30±0.05	200
BH-MT-PTFE-4X-4.0	4.0+0.5/-0.2	0.10±0.05	1.00	0.30±0.05	100
BH-MT-PTFE-4X-4.5	4.5+0.5/-0.2	0.10±0.05	1.12	0.30±0.05	100
BH-MT-PTFE-4X-5.0	5.0+0.8/-0.2	0.10±0.05	1.25	0.30±0.05	100
BH-MT-PTFE-4X-6.0	6.0+0.8/-0.2	0.10±0.05	1.50	0.30±0.05	100
BH-MT-PTFE-4X-7.0	7.0+0.8/-0.2	0.10±0.05	1.75	0.30±0.05	100
BH-MT-PTFE-4X-8.0	8.0+1.0/-0.2	0.10±0.05	2.00	0.30±0.05	100
BH-MT-PTFE-4X-9.0	9.0+1.0/-0.2	0.10±0.05	2.25	0.30±0.05	100
BH-MT-PTFE-4X-10.0	10+1.0/-0.5	0.10±0.05	2.50	0.30±0.05	100
BH-MT-PTFE-4X-11.0	11+1.0/-0.5	0.10±0.05	2.75	0.30±0.05	100
BH-MT-PTFE-4X-12.0	12+1.0/-0.5	0.10±0.05	3.00	0.30±0.05	100
Customized dimensions are available on request for your special application.					