

BH-MT-PVDF-175K

Medical grade 175°C Semi-rigid PVDF heat shrink tubing

Features/Applications:

BH-MT-PVDF-175K made of the USP Class VI medical-grade polyvinylidene fluoride (PVDF) material. It is suitable for the operation in a high temperature environment, and has stable performance to chemical substance such as alcohol as well as excellent mechanical abrasion resistance. It can be designed for the insulation protection of medical devices which require smoothness and high insulation performance.

- Shrink Ratio: d 2:1;
- Operating temperature: -65°C ~175°C;
- Minimum shrink temperature: 155°C
- Minimum fully recovery temperature: 175°C;
- ISO 10993-1 compliant;
- Compatibility with gamma rays and ETO sterilization;
- Color: Clear and black



Technical Data

Property	Test Method	Typical Data
Longitudinal change	ASTM D2671	-10%~10%
Tensile strength	ASTM D2671	≥34.5Mpa
Volume resistivity	ASTM D2671	≥10 ¹³ Ω.cm
Dielectric voltage withstand	ASTM D2671	AC2500V/60S
		No breakdown
Elongation at break	ASTM D2671	≥200%
Heat shock	ASTM D2671	No cracking
	(275°C/4 hrs)	
Low temperature flexibility	ASTM D2671	No cracking
	(-55°C/4 hrs)	
Elongation at break after aging	ASTM D2671	≥100%
	(225°C/168 hrs)	
Flammability	ASTM D2671	VW-1

Product Dimensions (mm)

Size	As supplied (mm)	After recovered (mm)		Standard length	
	ID(Min.)	ID(Max.)	Wall thickness(mm)	M/Roll	M/Pc
1.2	≥1.2	≤0.6	0.25±0.10	200	1.22
1.6	≥1.6	≤0.8	0.25±0.10	200	1.22
2.4	≥2.4	≤1.2	0.25±0.10	200	1.22
3.2	≥3.2	≤1.6	0.25±0.10	200	1.22
4.8	≥4.8	≤2.4	0.25±0.10	200	1.22
6.4	≥6.4	≤3.2	0.30±0.10	100	1.22
9.5	≥9.5	≤4.8	0.30±0.10	100	1.22
12.7	≥12.7	≤6.4	0.30±0.10	100	1.22
19.1	≥19	≤9.5	0.43±0.12	100	1.22
25.4	≥25	≤12.7	0.48±0.12	50	1.22
38.1	≥38	≤19	0.51±0.12	50	1.22
50.8	≥51	≤25.4	0.58±0.15	50	1.22