



# FPBM100

High temperature fluoropolymer approved to USP CI VI

High Temperature Fluoropolymer

2:1 Shrink Ratio

Minimum Shrink Temperature >110°C

Ultra Thin Wall

Compatible with Gamma, ETO and Steam Sterilisation

Operating Temperature -55°C to +150°C

**FPBM100 is an ultra thin wall fluoropolymer tubing especially suited for medical electrical insulation and strain relief when exposed to high temperatures. It is compatible with gamma and ETO sterilisation, and has USP Class VI approval.**

## Technical Data

### General

Installation temperature	110°C
Longitudinal change	+0% -10%
Concentricity	70% minimum
Tensile strength	27.6 MPa
Ultimate elongation	300% minimum

### Electrical

Dielectric strength	19.68 kV/mm minimum
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### Thermal

Heat ageing	336 hours at 225°C
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### Chemical

Fluid resistance At 23°C for 24 hours for the following fluids:

Isopropyl alcohol

5% saline solution

Cidex

### Specifications

FDA USP biological test classification VI

MAF-472

Ordering Size (Inches)	Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Recovered Wall Thickness (mm)	Standard Spool Size (m)
1/16	1.60	0.80	0.25	1524
3/32	2.40	1.20	0.25	1524
1/8	3.20	1.60	0.25	381
3/16	4.80	2.40	0.25	381
1/4	6.40	3.20	0.30	304
3/8	9.50	4.70	0.30	152
1/2	12.70	6.40	0.30	152
3/4	19.10	9.50	0.43	76
1	25.40	12.70	0.48	76

Standard approved colour: Black

Non-standard approved colour: White

Full details on technical specifications, test methods and values are available on request.