



TWBM100

Ultra thin wall tubing, approved to USP CI VI

2.5:1 Shrink Ratio

Shrink Temperature >110°C

Ultra Thin Wall

Optional Adhesive Liner (3mm and above)

Compatible with Gamma and ETO Sterilisation

Operating Temperature -40°C to +105°C

TWBM100 is an ultra thin wall polyolefin tubing especially suited for medical applications requiring lubricity, flexibility and excellent electrical properties. It is a cost effective alternative to FEP and is also available with an adhesive liner. It is compatible with gamma and ETO sterilisation and has USP Class VI approval.

Technical Data

General

Installation temperature	140°C
Longitudinal change	+0% -10%
Concentricity	60% minimum
Tensile strength	20.7 MPa
Ultimate elongation	200% minimum

Electrical

Dielectric strength	39.36 kV/mm minimum
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Thermal

Heat ageing	168 hours at 125°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 727

Ordering Size (Inches)	Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Recovered Wall Thickness (mm)	Standard Spool Size (m)
1.0	1.00	0.45	0.25	1524
2.0	2.00	0.80	0.25	1524
3.0	3.00	1.20	0.25	762
6.0	6.00	2.40	0.25	457
10.0	10.00	4.00	0.36	381

Standard approved colours: Black and transparent.

Non-standard approved colours: Red, orange, yellow, blue and white.

Other colours to special quotation

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