

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT100MG

FITCOTUBE® FT100MG is a very flexible and translucent polyolefin heat shrink tubing for medical instruments applications such as electrotome, endoscope and others. It is especially suitable for medical-grade tubing products to fulfill medical applications requiring lubricity, flexibility, and excellent electrical insulation performance.

FITCOTUBE® FT100MG is qualified to the stringent requirements of USP Class VI and compatible with gamma and ETO sterilization.

Operating temperature: -55°C to +105°C
Min. shrink temperature: +60°C
Min full recovery temp.: +110°C
Shrink ratio: 2:1
Standard color: Transparent, other colors on request



Description	As supplied (mm)		After shrinkage (mm)	
	I.D.	W.T.	I.D.	W.T.
FT100MG-0012	1.2 ±0.1	0.22 ±0.02	0.6 ±0.05	0.43 ±0.08
FT100MG-0016	1.6 ±0.1	0.22 ±0.02	0.8 ±0.05	0.43 ±0.08
FT100MG-0024	2.4 ±0.1	0.22 ±0.02	1.2 ±0.05	0.51 ±0.08
FT100MG-0032	3.2 ±0.1	0.22 ±0.02	1.6 ±0.05	0.51 ±0.08
FT100MG-0048	4.8 ±0.1	0.22 ±0.02	2.4 ±0.05	0.51 ±0.08
FT100MG-0064	6.4 ±0.1	0.22 ±0.02	3.2 ±0.10	0.64 ±0.08
FT100MG-0095	9.5 ±0.1	0.25 ±0.02	4.7 ±0.20	0.64 ±0.08
FT100MG-0127	12.7 ±0.1	0.25 ±0.02	6.4 ±0.20	0.64 ±0.08
FT100MG-0191	19.1 ±0.1	0.25 ±0.02	9.5 ±0.30	0.76 ±0.08
FT100MG-0254	25.4 ±0.1	0.25 ±0.02	12.7 ±0.50	0.89 ±0.08

*Special sizes on request

Packaging: On spools (200m, 100m, 50, depending on dimension of ID; cut lengths on request).

Processing note: Care for clean and straight cutting edges. Start shrinkage on the end. Pre-heat metal body.

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Attributes	Test Method	Typical Value
Mechanical		
Tensile strength	ASTM D2671	≥17MPa
Elongation at break	ASTM D2671	≥400%
Specific gravity	ASTM D792	0.945
Heat shock (200°C / 4h)	ASTM D2671	Outer layer no drop, no flow
Low temperature flexibility (-55°C / 4h)	ASTM D2671	Outer layer no tracking
Softening point	ASTM D1525	110°C
Water absorption	ASTM D570	≤0.5%
Electrical		
Dielectric strength (KV/mm)	ASTM D2671	≥20
Volume resistivity	ASTM D2671	≥1x10 ¹⁵ Ω x cm