

Polyolefin Heat-Shrink Tubing

## FITCOTUBE® FT302MG

FITCOTUBE®FT302MG is a very flexible and transparent heat shrink tubing made of medical grade polyolefin and satisfies the demand of thin wall and smooth properties which invasive devices required for surgery. The excellent electrical insulation property allows in particular the use in the insulation protection of electrosurgical instruments and other medical devices. Besides FITCOTUBE®FT302MG offers compatibility with gamma rays and ETO sterilization and contains no heavy metals.

<b>Operating temperature:</b>	-55°C to +105°C
<b>Min. shrink temperature:</b>	+60°C
<b>Min full recovery temp.:</b>	> +110°C
<b>Shrink ratio:</b>	2.5:1
<b>Standard color:</b>	Transparent, other colors on request



Description	As supplied (mm)		After shrinkage (mm)	
	I.D.	W.T.	I.D.	W.T.
FT302MG-0010	1.0	0.12 ±0.03	0.45	0.25 ±0.05
FT302MG-0020	2.0	0.12 ±0.03	0.80	0.25 ±0.05
FT302MG-0030	3.0	0.12 ±0.03	1.20	0.25 ±0.05
FT302MG-0060	6.0	0.12 ±0.03	2.40	0.25 ±0.05
FT302MG-0100	10.0	0.15 ±0.04	4.00	0.36 ±0.05

\*Special sizes on request

**Packaging:** On spools (200m, 100m, 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
<b>Mechanical</b>		
Tensile strength	ASTM D2671	≥10.3MPa
Elongation at break	ASTM D2671 (≥120%)	≥140%
Longitudinal change	ASTM D2671 (-10%~10%)	Pass
Concentricity	ASTM D2671	≥70%
Heat shock (180°C / 4h)	ASTM D2671	No cracking
Low temperature flexibility (-55°C / 4h)	ASTM D2671	No cracking
<b>Electrical</b>		
Volume resistivity	ASTM D2671	≥10 <sup>15</sup> Ω x cm
Dielectric strength	ASTM D2671	≥20kV/mm