

**Small-Diameter,
High-Shrink-Ratio Tubing**

Product Facts

- Small diameter
- High shrink ratio
- Thin wall
- Polyolefin and fluoropolymer materials



MicroFit



Applications

The MicroFit family of small-diameter, high-shrink-ratio tubing is ideal for electrical insulation, mechanical protection, and strain relief in smaller, more compact medical devices and commercial electronics products. Offered in a variety of materials. The RW-175 version of MicroFit tubing is suitable for use in space applications.

Installation

Minimum full recovery temperature:
 175°C [347°F] (MT1000)
 140°C [284°F] (MT2000)
 175°C [347°F] (RW-175)

Operating Temperature Range

MT1000: -55°C to 175°C [-67°F to 347°F]
 MT2000: -40°C to 105°C [-40°F to 221°F]
 RW-175: -55°C to 175°C [-67°F to 347°F]

Specifications/Approvals

Series	Material	Master File Number	Raychem
Altera MicroFit	USP Class VI (MT1000)	MAF-444 (MT1000)	Altera MicroFit SCD
	USP Class VI (MT2000)	MAF-727 (MT2000)	
RW-175 MicroFit	—	—	RW-175 MicroFit SCD

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Product Dimensions

MicroFit (Continued)

Size	Inside Diameter		Wall Thickness	
	Minimum Expanded as Supplied	Maximum Recovered After Heating	As Supplied (Nominal)	Recovered*** (Maximum)
MFT*-No. 1-**	0.356 [0.014]	0.178 [0.007]	0.076 [0.003]	0.127 [0.005]
MFT*-No. 2-**	0.610 [0.024]	0.305 [0.012]	0.064 [0.0025]	0.152 [0.006]
MFT*-No. 33-**	1.143 [0.045]	0.432 [0.017]	0.064 [0.0025]	0.178 [0.007]
MFT*-No. 65-**	0.635 [0.025]	0.254 [0.010]	0.127 [0.005]	0.330 [0.013]

*Replace single asterisk with material type: MT1000, MT2000, or RW-175.

**Replace double asterisk with color-code number.

***Wall thickness will be less if tubing recovery is restricted during shrinkage.

Ordering Information

	MT1000	MT2000	RW-175
Color	Standard	Translucent (-X)	Black (-0), clear (-X)
	Nonstandard	Black (-0)	White (-9), red (-2), yellow (-4), blue (-6), orange (-3)
Size selection	Always order the largest size that will shrink snugly over the component to be covered.		
Standard packaging	On plastic spools****		
Ordering description	Specify product name, material, size and color (for example, MFT-MT2000-NO.1-0).		

****MFT-MT1000 and MFT-MT2000 are double bagged.