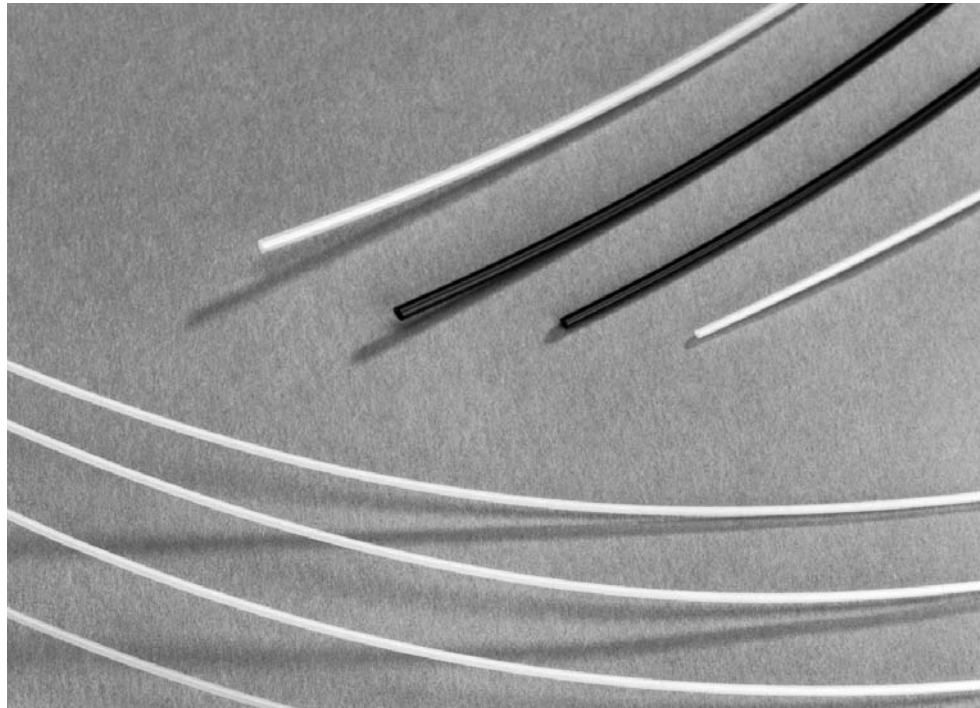


**MT1000**

**Altera Medical-Grade,  
USP Class VI,  
High-Temperature,  
Semirigid,  
Fluoropolymer Tubing**

**Product Facts**

- 2:1 shrink ratio
- Tough, semirigid, very-thin-wall insulation
- Excellent resistance to a variety of fluids
- Optional inner adhesive lining (MT1000A)
- USP Class VI material, no heavy metals
- Double-bagged packaging
- Compatibility with gamma, ETO, steam, and dry-heat sterilization
- RoHS compliant



**Applications**

Well-suited for electrical insulation and strain relief of components that are exposed to high temperatures - either during operation or during sterilization.

Thin-wall construction is well-suited for applications with clearance constraints.

**Installation**

Minimum shrink temperature: 155°C [311°F]  
Minimum full recovery temperature: 175°C [347°F]

**Operating Temperature Range**

-55°C to 175°C  
[-67°F to 347°F]

**Specifications/Approvals**

Series	Material	Master File Number	Raychem
MT1000	USP Class VI	MAF-444	MT1000 SCD
MT1000A	USP Class VI	MAF-798	MT1000A SCD

Available in:	Americas	Europe	Asia Pacific
	■	■	■

**MT1000** (Continued)

**Product Dimensions**

Size	Inside Diameter		Recovered Wall Thickness*
	Minimum Expanded as Supplied	Maximum Recovered After Heating	After Heating
3/64	1.17 [0.046]	0.58 [0.023]	0.25 ± 0.05 [0.010 ± 0.002]
1/16	1.6 [0.063]	0.8 [0.031]	0.25 ± 0.05 [0.010 ± 0.002]
3/32	2.4 [0.093]	1.2 [0.046]	0.25 ± 0.05 [0.010 ± 0.002]
1/8	3.2 [0.125]	1.6 [0.062]	0.25 ± 0.05 [0.010 ± 0.002]
3/16	4.7 [0.187]	2.4 [0.093]	0.25 ± 0.05 [0.010 ± 0.002]
1/4	6.4 [0.250]	3.2 [0.125]	0.33 ± 0.05 [0.013 ± 0.002]
3/8	9.5 [0.375]	4.7 [0.187]	0.33 ± 0.05 [0.013 ± 0.002]
1/2	12.7 [0.500]	6.4 [0.250]	0.33 ± 0.05 [0.013 ± 0.002]
3/4**	19.1 [0.750]	9.5 [0.375]	0.43 ± 0.08 [0.017 ± 0.003]
1**	25.4 [1.000]	12.7 [0.500]	0.48 ± 0.08 [0.019 ± 0.003]

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

\*\*Nonstandard size; available by special order only.

**Ordering Information**

Color	Standard	Black (-0), Translucent (-X)
	Nonstandard	White (-9)
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.	
Standard packaging	In 1.2-meter (4-foot) lengths, double bagged.	
Ordering description	Specify product name, size and color (for example, MT1000-1/8-X). Specify MT1000A for adhesive-lined constructions (special order).	