

**Fax-on-Demand:** (800) 260-9099  
(650) 361-6523

**Before ordering check with  
factory for most current data.**

FAX ID	Description
2400	Data sheet
2401	SCD

## MT5000

Altera medical-grade, USP Class VI,  
flexible polyolefin tubing

### Applications

Especially suitable for applications such as electrosurgical instruments, requiring excellent electrical insulation performance and resistance to abrasion and harmful solvents. Also used for strain relief, color coding, and identification of many medical components and devices.

### Operating Temperature Range

-70°C to 105°C

### Features/Benefits

- 2:1 shrink ratio.
- Flexibility; variety of colors.
- Excellent electrical insulation properties.
- Inner adhesive-lining optional (A).
- USP Class VI material, no heavy metals.
- Plastic spools or double-bagged packaging.
- Compatibility with gamma and ETO sterilization.

### Installation

Minimum shrink temperature: 90°C

Minimum full recovery temperature: 110°C



### Specifications/Approvals

Series	Material	Master File Number	Raychem
MT5000	USP Class VI	MAF-469	MT5000 SCD
MT5000A	USP Class VI	MAF-800	MT5000A SCD

### Product Dimensions (mm/in)

Size	Inside diameter		Wall thickness Recovered after heating*
	Minimum expanded as supplied	Maximum recovered after heating	
1/16	1.6 (.063)	0.8 (.031)	.43 ±.08 (.017 ±.003)
3/32	2.4 (.093)	1.2 (.046)	.51 ±.08 (.020 ±.003)
1/8	3.2 (.125)	1.6 (.062)	.51 ±.08 (.020 ±.003)
3/16	4.8 (.187)	2.4 (.093)	.51 ±.08 (.020 ±.003)
1/4	6.4 (.250)	3.2 (.125)	.64 ±.08 (.025 ±.003)
3/8	9.5 (.375)	4.8 (.187)	.64 ±.08 (.025 ±.003)
1/2	12.7 (.500)	6.4 (.250)	.64 ±.08 (.025 ±.003)
3/4**	19.1 (.750)	9.5 (.375)	.76 ±.08 (.030 ±.003)
1**	25.4 (1.000)	12.7 (.500)	.89 ±.12 (.035 ±.005)

\*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), clear (-X) Nonstandard    White (-9), red (-2), blue (-6), yellow (-4), orange (-3)
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	On spools, plastic.
Ordering description	Specify product name, size, and color (for example, MT5000-1/4-0). Specify MT5000A for adhesive-lined constructions (special order).

Altera is a trademark of Raychem Corporation.

Users should independently evaluate the suitability of the product for their application.