

MT 2000

Altera Medical-Grade,
USP Class VI, Lubricious,
Thin-Wall, Polyolefin
Tubing

Product Facts

- 2.5:1 shrink ratio
- Lubricity comparable to FEP
- Excellent electrical insulation properties
- Can be manufactured with a very thin wall
- Optional inner adhesive lining in sizes 3.0 and larger (MT2000A)
- USP Class VI material, no heavy metals
- Plastic spools and double-bagged packaging
- Compatibility with gamma and ETO sterilization



Applications

Especially suitable for medical applications requiring lubricity, flexibility, and excellent electrical insulation performance. A cost-effective alternative to FEP (fluorinated ethylene-propylene) while maintaining performance after gamma sterilization.

Installation

Minimum shrink temperature: 110°C [230°F]
Minimum full recovery temperature: 140°C [284°F]

Operating Temperature Range

-40°C to 105°C
[-40°F to 221°F]

Specifications/Approvals

Series	Material	Master File Number	Raychem
MT2000	USPClass VI	MAF-727	MT2000 SCD
MT2000A	USPClass VI	MAF-799	MT2000ASCD

MT 2000

Product Dimensions

Size	Inside Diameter		Wall Thickness	
	Minimum Expanded as Supplied	Maximum Recovered After Heating	As Supplied (Nominal)	Recovered* After Heating
1.0	1.0 [0.040]	0.45 [0.018]	0.12 [0.005]	0.25 ± 0.05 [0.010 ± 0.002]
2.0	2.0 [0.080]	0.80 [0.032]	0.12 [0.005]	0.25 ± 0.05 [0.010 ± 0.002]
3.0	3.0 [0.120]	1.20 [0.048]	0.12 [0.005]	0.25 ± 0.05 [0.010 ± 0.002]
6.0	6.0 [0.240]	2.40 [0.096]	0.12 [0.005]	0.25 ± 0.05 [0.010 ± 0.002]
10.0	10.0 [0.400]	4.00 [0.160]	0.15 [0.006]	0.36 ± 0.05 [0.014 ± 0.002]

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

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 plastic spools, double-bagged.	
Ordering description	Specify product name, size and color (for example, MT2000-3.0-0). Specify MT2000A for adhesive-lined constructions (special order).	