

## MEDICAL TUBING

### MT-FEP

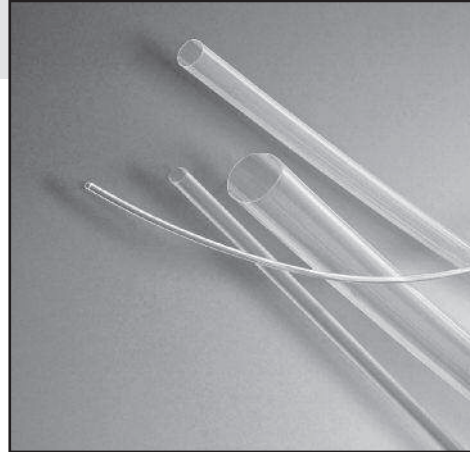
Altera Medical-Grade, USP Class VI,  
Heat-Shrinkable FEP Tubing

#### Applications

Designed specifically to meet the demanding needs of the catheter and medical device industry. Well-suited for process aid as well as electrical insulation, mechanical protection, and chemical resistance.

#### Features & Benefits

- Standard 1.6:1 shrink ratio
- Tight control of longitudinal change, standard +/- 5%
- Custom ratios, sizes, and longitudinal change percentages available
- High temperature, low friction, non-reactive material
- Excellent electrical insulation, mechanical protection, and chemical resistance
- Cut pieces, double bagged
- Transparent and resistant to UV damage
- USP Class VI material, no heavy metals
- Compatible with autoclave sterilization; ethylene oxide.



#### Installation

- Minimum shrink temperature: 190°C [374°F]
- Minimum full recover temperature: 210°C [410°F]

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#### Specifications/Approvals

Series	Material	Raychem
MT-FEP	USP Class VI	MT-FEP 800

#### Product Dimensions

Reference Chart Customer's Substrate		Size to Order	Approximate Size for Reference		As Supplied	Recovered	
FR	OD in.		Fractional	mm	Inside Diameter Minimum in.	Inside Diameter Maximum in.	Wall Thickness Nominal in.
3	0.039	042	3/64	1.0	0.042	0.030	0.008 ± 0.002
4	0.053	062	1/16	1.5	0.062	0.040	0.008 ± 0.002
5	0.066	079	5/64	2.0	0.079	0.050	0.008 ± 0.002
6	0.079	100	3/32	2.5	0.100	0.062	0.008 ± 0.002
7	0.092	115	7/64	3.0	0.115	0.072	0.010 ± 0.002
8	0.105	136	1/8	3.5	0.136	0.084	0.010 ± 0.002
9	0.118	149	9/64	3.8	0.149	0.092	0.010 ± 0.002
10	0.131	166	11/64	4.2	0.166	0.102	0.010 ± 0.002
11	0.144	187	3/16	4.7	0.187	0.115	0.010 ± 0.002
12	0.158	200	13/64	5.0	0.200	0.122	0.010 ± 0.002
13	0.170	215	7/32	5.5	0.215	0.131	0.010 ± 0.002
14	0.184	233	15/64	6.0	0.233	0.142	0.010 ± 0.002
15	0.197	250	1/4	6.3	0.250	0.150	0.010 ± 0.002
16	0.210	266	17/64	6.7	0.266	0.160	0.010 ± 0.002
17	0.223	282	9/32	7.2	0.282	0.170	0.012 ± 0.003
18	0.236	299	19/64	7.5	0.299	0.180	0.012 ± 0.003

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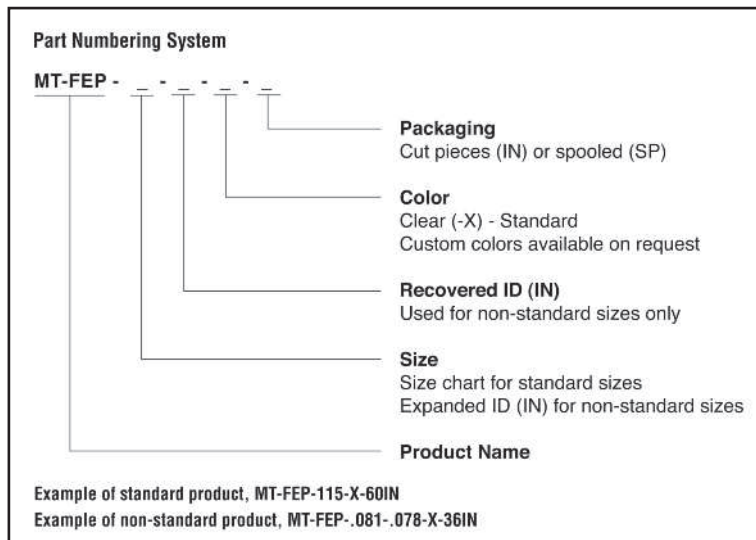
#### Product Dimensions (continued)

Reference Chart Customer's Substrate		Size to Order	Approximate Size for Reference		As Supplied	Recovered	
FR	OD in.		Fractional	mm	Inside Diameter Minimum in.	Inside Diameter Maximum in.	Wall Thickness Nominal in.
19	0.249	315	5/16	8.0	0.315	0.190	0.012 ± 0.003
20	0.263	335	21/64	8.5	0.335	0.200	0.012 ± 0.003
22	0.288	355	23/64	9.0	0.355	0.220	0.012 ± 0.003
24	0.315	397	25/64	10.0	0.397	0.240	0.015 ± 0.003
26	0.341	430	7/16	11.0	0.430	0.260	0.015 ± 0.003
28	0.367	462	15/32	11.7	0.462	0.280	0.015 ± 0.003
30	0.393	500	1/2	12.7	0.500	0.300	0.015 ± 0.003
32	0.419	533	17/32	13.5	0.533	0.320	0.015 ± 0.003
34	0.445	566	9/16	14.4	0.566	0.340	0.015 ± 0.003

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#### Ordering Information

- Size selection      Order the appropriate FEP size based on your substrate.  
Example, 6F catheter has a 0.079" OD, order MT-FEP-100-X  
Cleaned and packaged in a clean room
- Standard packaging      Cut pieces (actual length in inches) or spooled (plastic spool);  
all variations are double-bagged in anti-static bags



Example of standard product, MT-FEP-115-X-60IN  
Example of non-standard product, MT-FEP-.081-.078-X-36IN