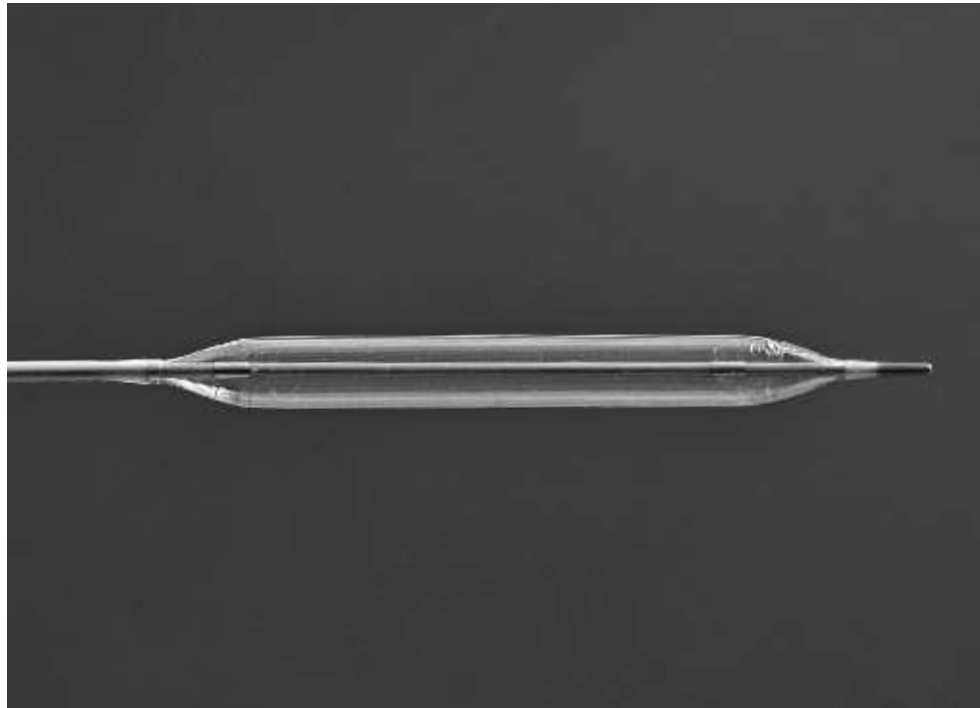


MT-LWA

Altera Medical Grade, Laser-Welding Application Process Aid, Polyolefin Tubing

Product Facts

- 3:1 shrink ratio, custom ratios and sizes available
- Flexible; forms to irregular shapes
- Good clarity needed for laser welding and other bonding operations
- Excellent electrical insulation properties
- Removes easily after application, good axial tear propagation
- On plastic spools double bag packaging
- USP Class VI, no heavy metals
- ISO 10993-1 compliant
- RoHS compliant



Applications

Well-suited for laser-welding operations of stents and balloons, hot jaw bonding or other secondary value-added processes. Heat-shrinkable product will hold joints in place during operation and removes easily without residue or damage to the end product.

Installation

Minimum shrink temperature: 95°C [203°F]
 Minimum full recovery temperature: 121°C [250°F]

Specifications/Approvals

Series	Raychem
MT-LWA	MT-LWA SCD

Available in:	Americas	Europe	Asia Pacific
	■	■	■

MT-LWA (Continued)

Product Dimensions

**2:1 Expansion
Ratio Dimensions
(±)**

Size	As Supplied mm [inches]	Recovered mm [inches]	
	Inside Diameter (D)	Inside Diameter (d)	Wall Thickness (W)
1/32	1.02 ± 0.13 [0.040 ± 0.005]	0.33 ± 0.05 [0.013 ± 0.002]	0.25 ± 0.05 [0.010 ± 0.002]
3/64	1.40 ± 0.13 [0.055 ± 0.005]	0.51 ± 0.08 [0.020 ± 0.003]	0.31 ± 0.05 [0.012 ± 0.002]
1/16	1.83 ± 0.13 [0.072 ± 0.005]	0.69 ± 0.10 [0.027 ± 0.004]	0.43 ± 0.08 [0.017 ± 0.003]
3/32	2.72 ± 0.20 [0.107 ± 0.008]	1.07 ± 0.10 [0.042 ± 0.004]	0.51 ± 0.08 [0.020 ± 0.003]
1/8	3.56 ± 0.25 [0.140 ± 0.010]	1.45 ± 0.13 [0.057 ± 0.005]	0.51 ± 0.08 [0.020 ± 0.003]
3/16	5.21 ± 0.25 [0.205 ± 0.010]	2.18 ± 0.18 [0.086 ± 0.007]	0.51 ± 0.08 [0.020 ± 0.003]
1/4	6.99 ± 0.38 [0.275 ± 0.015]	2.97 ± 0.20 [0.117 ± 0.008]	0.64 ± 0.08 [0.025 ± 0.003]
3/8	10.54 ± 0.51 [0.415 ± 0.020]	4.34 ± 0.41 [0.171 ± 0.016]	0.64 ± 0.08 [0.025 ± 0.003]

**3:1 Expansion
Ratio Dimensions
(Min./Max)**

Size	As Supplied mm [inches]	Recovered mm [inches]	
	Inside Diameter (D) Minimum	Inside Diameter (d) Maximum	Wall Thickness (W) Nominal
0.032	0.81 [0.032]	0.28 [0.011]	0.25 ± 0.05 [0.010 ± 0.002]
0.063	1.60 [0.063]	0.53 [0.021]	0.41 ± 0.05 [0.016 ± 0.002]
0.078	1.98 [0.078]	0.64 [0.025]	0.41 ± 0.05 [0.016 ± 0.002]
0.094	2.39 [0.094]	0.79 [0.031]	0.51 ± 0.08 [0.020 ± 0.003]
0.110	2.79 [0.110]	0.86 [0.034]	0.51 ± 0.08 [0.020 ± 0.003]
0.125	3.18 [0.125]	1.07 [0.042]	0.51 ± 0.08 [0.020 ± 0.003]
0.188	4.78 [0.188]	1.60 [0.063]	0.51 ± 0.08 [0.020 ± 0.003]
0.250	6.35 [0.250]	2.11 [0.083]	0.64 ± 0.08 [0.025 ± 0.003]
0.375	9.53 [0.375]	3.18 [1.125]	0.64 ± 0.08 [0.025 ± 0.003]

Ordering Information

Color	Clear (-X) Only
Size selection	Always order the largest size that will recover snugly over the substrate. Special order sizes are available upon request.
Standard packaging	On plastic spools (SP), double-bagged.
Ordering description	Specify product name and size (for example, MT-LWA-032-X-SP).

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