



Medical Tubing Solutions

Altera MT-PBX (D*)

Single Wall Heat Shrink Tubing



Altera MT-PBX (D*) Medical Single Wall Heat Shrink Tubing



Key Features

Up to 3:1 shrink ratio

72D and 63D Shore
Hardness available

Custom sizes and colors
available upon request

Excellent electrical
insulation properties

Radiopaque options

Can withstand repeated
autoclave sterilization;
sterilization by Gamma
Radiation, Ethylene Oxide,
steam, and/or dry-heat

ISO 10993 Biocompati-
bility tested

RoHS compliant

DESCRIPTION

TE Connectivity's brand of heat-shrinkable single wall polyether block amide (PEBA) tubing provides another option to your medical device needs. MT-PBX is a tough, robust heat-shrinkable material that does not require the use of a process aid, which can save time and reduce cost. MT-PBX can be suitable for strain relief, process aid, mechanical protection, insulation, color coding, or other custom specific formulations that you require.

MT-PBX tubing has a predetermined Shore D Durometer and is cross-linked by irradiation.

INSTALLATION TEMPERATURE

Minimum Full Recovery Temperature: 190°C (374°F)

SPECIFICATIONS & APPROVALS

ASTM D 2671

ISO 10993 tests: ISO MEM Elution, Acute Systemic Toxicity, Intracutaneous Reactivity, GP Maximization Sensitization and Hemolysis (ASTM F756 Direct Contact)

ELECTRICAL

Dielectric strength: 500 V/mil (19.7 kV/mm) minimum

Dielectric Withstand 3000V, 60 Hz: 60 sec. minimum

MECHANICAL

Longitudinal change: +0 to -10% maximum

Tensile strength: 5000 psi minimum

Ultimate elongation: 200% minimum

Hardness: 63-72 Shore D

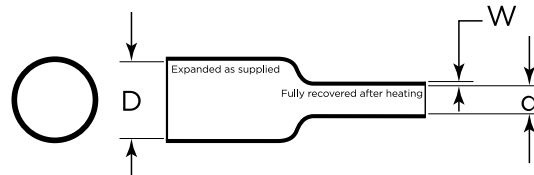
Altera TUBING LINE

	MT 1000	MT 2000	MT 3000
Shrink Ratio	2:1	2.5:1	2:1
Material	Fluoropolymer	Polyolefin	Fluoropolymer
Flexibility	Semi-Rigid	Semi-Rigid	Flexible
Temperature (Full Rec)	175°C	140°C	150°C
Wall	Single Wall	Single Wall	Single Wall

* = Shore D Durometer dependent

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PRODUCT DIMENSIONS



Description	As Supplied		Recovered							
	Inside Diameter (D) Minimum		Inside Diameter (d) Maximum		Wall Thickness (W)					
					Minimum		Maximum		Nominal	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
MT-PBX72-040-020-004-*	0.040	1.00	0.020	0.50	0.003	0.08	0.005	0.13	0.004	0.10
MT-PBX72-060-030-004-*	0.060	1.52	0.030	0.89	0.003	0.08	0.005	0.13	0.004	0.10
MT-PBX72-100-050-004-*	0.100	2.54	0.050	1.27	0.003	0.08	0.005	0.13	0.004	0.10
MT-PBX72-120-060-004-*	0.120	3.04	0.060	1.52	0.003	0.08	0.005	0.13	0.004	0.10
MT-PBX72-188-094-004-*	0.188	4.77	0.094	2.38	0.003	0.08	0.005	0.13	0.004	0.10
MT-PBX72-250-125-004-*	0.250	6.35	0.125	3.17	0.003	0.08	0.005	0.13	0.004	0.10
MT-PBX72-100-050-006-*	0.100	2.54	0.050	1.27	0.005	0.13	0.007	0.18	0.006	0.15
MT-PBX72-120-060-008-*	0.120	3.04	0.060	1.52	0.0065	0.17	0.0095	0.24	0.008	0.20
MT-PBX72-188-094-010-*	0.188	4.77	0.094	2.38	0.008	0.20	0.012	0.30	0.010	0.25
MT-PBX72-250-125-012-*	0.250	6.35	0.125	3.17	0.010	0.25	0.014	0.36	0.012	0.30

ORDERING INFORMATION

Color	Clear (-X), Black (-0), Green (-5), Blue (-6)
Size selection	In general it is advisable to order the largest size that will recover snugly over the substrate. Special order sizes are available upon request. Please contact your local TE Sales Representative for further assistance.
Standard packaging	In 4-foot (1.2 meter) lengths (-STK), double-bagged.
Ordering description	Specify TE description and color (for example MT-PBX72-040-020-004-X-STK). For non-standard sizes please contact your local TE Sales Representative.

MT 5000	MT 5500	MT 6000	MT-PBX (D*)	MT-PBX (D*/D*)	MT-FEP	MT-LWA
2:1	2:1	4:1	3:1	3:1	Up to 1.6:1	2:1 or 3:1
Polyolefin	Polyolefin	Polyolefin	PEBA	PEBA	Fluoropolymer	Polyolefin
Flexible	Very Flexible	Flexible	Flex-Rigid*	Flex-Rigid*	Semi-Rigid	Flexible
110°C	110°C	110°C	190°C	190°C	210°C	110°C
Single Wall	Single Wall	Single Wall	Single Wall	Dual Wall	Single Wall	Single Wall

www.te.com/medical

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Canada 1-905-470-4425
Mexico 1-800-733-8926
Central America 52 55 1106 0800
South America 54 11 4733 2200
United Kingdom/Ireland 49 896 089 184
Germany/Switzerland/Austria 49 6151 607 1999
Europe/Middle East/Africa 44 800 267 666
China 86 400 860 6670
Japan 81 44 844 8041
Korea 82 2 3415 4543
Singapore 65 659 05300



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