

OMEGAFLEX® Chemical Tubing

PTFE FORMULATION

PTFE tubing is the most flexible of the three fluoropolymer tubings. This product handles temperatures ranging from -79 to 260°C (-110 to 500°F) continuous service. It is translucent milky-white to white in appearance, depending upon the type of PTFE resin used in manufacturing. Batch process manufacturing limits lengths, depending upon the size of the tubing.

PTFE tubing has excellent chemical resistance properties and can be used with almost all chemicals and solvents. PTFE tubing is FDA approved.

Specifications*

ASTM: 3295

Hardness, Shore D: 50-55

Specific Gravity: 2.13-2.2

Elongation at Break: 250-450%

Tensile Strength: 3200 psi

Brittle Temperature: 170°C (-275°F)

Service Temp: -79 to 260°C (-110 to 500°F)

Minimum Bend Radius:

Eight times tube OD

**Specifications given are typical. Field testing is recommended to find the actual operating specifications in the given application.*

Sold by standard coil length only.

TFE is coiled in 25-ft. no-splice package, 50-ft maximum two-splice package, or 100-ft maximum three-splice package.



To Order

1/16 to 3/8" OD TUBING

Model No.	Std Length (ft)	Wall (inch)	OD (inch)	ID (inch)	psi@73°F
TYTT-116132-100	100	0.016	1/16	1/32	325
TYTT-18116-25	25	0.03	1/8	1/16	300
TYTT-18116-50	50	0.03	1/8	1/16	300
TYTT-18116-100	100	0.03	1/8	1/16	300
TYTT-532332-50	50	0.03	5/32	3/32	245
TYTT-532332-100	100	0.03	5/32	3/32	245
TYTT-31618-50	50	0.03	3/16	1/8	200
TYTT-31618-100	100	0.03	3/16	1/8	200
TYTT-1418-50	50	0.063	1/4	1/8	320
TYTT-1418-100	100	0.063	1/4	1/8	320
TYTT-14532-25	25	0.047	1/4	5/32	240
TYTT-14532-50	50	0.047	1/4	5/32	240
TYTT-14532-100	100	0.047	1/4	5/32	240
TYTT-14316-25	25	0.03	1/4	3/16	150
TYTT-14316-50	50	0.03	1/4	3/16	150
TYTT-14316-100	100	0.03	1/4	3/16	150
TYTT-516316-50	50	0.063	5/16	3/16	255
TYTT-516316-100	100	0.063	5/16	3/16	255
TYTT-51614-50	50	0.03	5/16	1/4	120
TYTT-51614-100	100	0.03	5/16	1/4	120
TYTT-3814-25	25	0.063	3/8	1/4	215
TYTT-3814-50	50	0.063	3/8	1/4	215
TYTT-3814-100	100	0.063	3/8	1/4	215
TYTT-38516-25	25	0.03	3/8	5/16	100

Consult Sales for available non-standard colors.

Ordering Example: TYTT-1418-100, 100', 0.063" wall, 1/4" OD, 1/8" ID.



To Order

4 to 16 mm OD TUBING, METRIC DIAMETERS

Model No.	Std Length (ft)	Wall (mm)	OD (mm)	ID (mm)	psi @73°F
TYTT-42-25	25	1	4	2	320
TYTT-42-50	50	1	4	2	320
TYTT-42-100	100	1	4	2	320
TYTT64-25	25	1	6	4	210
TYTT-64-50	50	1	6	4	210
TYTT-64-100	100	1	6	4	210
TYTT-108-25	25	1	10	8	125
TYTT-108-50	50	1	10	8	125
TYTT-108-100	100	1	10	8	125
TYTT-1210-25	25	1	12	10	105
TYTT-1210-50	50	1	12	10	105
TYTT-1210-100	100	1	12	10	105
TYTT-1412-25	25	1	14	12	90
TYTT-1412-50	50	1	14	12	90
TYTT-1412-100	100	1	14	12	90

Ordering Example: TYTT-1412-100, 100' of tubing, 1 mm wall, 14 mm OD, 12 mm ID.

3/8 to 1.10" OD TUBING

Model No.	Std Length (ft)	Wall (inch)	OD (inch)	ID (inch)	psi @73°F
TYTT-716516-25	25	0.063	7/16	5/16	185
TYTT-716516-50	50	0.063	7/16	5/16	185
TYTT-716516-100	100	0.063	7/16	5/16	185
TYTT-71638-25	25	0.03	7/16	3/8	85
TYTT-71638-50	50	0.03	7/16	3/8	85
TYTT-71638-100	100	0.03	7/16	3/8	85
TYTT-1238-25	25	0.063	1/2	3/8	160
TYTT-1238-50	50	0.063	1/2	3/8	160
TYTT-1238-100	100	0.063	1/2	3/8	160
TYTT-12716-25	25	0.03	1/2	7/16	75
TYTT-12716-50	50	0.03	1/2	7/16	75
TYTT-12716-100	100	0.03	1/2	7/16	75
TYTT-916716-25	25	0.063	9/16	7/16	140
TYTT-916716-50	50	0.063	9/16	7/16	140
TYTT-916716-100	100	0.063	9/16	7/16	140
TYTT-91612-25	25	0.03	9/16	1/2	65
TYTT-91612-50	50	0.03	9/16	1/2	65
TYTT-91612-100	100	0.03	9/16	1/2	65
TYTT-5812-25	25	0.063	5/8	1/2	130
TYTT-5812-50	50	0.063	5/8	1/2	130
TYTT-5812-100	100	0.063	5/8	1/2	130
TYTT-3458-25	25	0.063	3/4	5/8	105
TYTT-3458-50	50	0.063	3/4	5/8	105
TYTT-3458-100	100	0.063	3/4	5/8	105
TYTT-341116-25	25	0.032	3/4	11/16	55
TYTT-341116-50	50	0.032	3/4	11/16	55
TYTT-341116-100	100	0.032	3/4	11/16	55
TYTT-7834-5	5 Straight	0.063	7/8	3/4	90
TYTT-1101-5	5 Straight	0.05	1.10	1	55
TYTT-38516-50	50	0.03	3/8	5/16	100
TYTT-38516-100	100	0.03	3/8	5/16	100

Ordering Example: TYTT-341116-100, 100' of tubing, 0.032" wall, 3/4" OD, 11/16" ID.

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