

Teflon Tubing for Ozone Applications

FEP & PTFE Teflon Tubing

Ozone Solutions carries all types of Ozone Compatible Teflon tubing. We have the most competitive prices - guaranteed!



Features

- Inertness to virtually all chemicals and solvents
- most recommended material for ozone applications
- Ultra-purity, non-contamination; containing no plasticizers or additives
- The widest temperature capability of any plastic tubing.
- A non-stick, smooth surface, minimizing problems of absorption or adsorption.
- We can do 1,000-ft + continuous lengths! Call for details.

Product ID: **Teflon_Tubing**
 Stock: **Yes**

Specifications

Compliance

FDA & RoHS Compliant

Tolerance

+/- 0.005-in on ID & OD

Ordering Details

- Minimum 50-ft required
- Must be ordered in 50-ft increments
- PTFE lengths 100-ft or more are supplied in 100-ft long coils
- FEP can be supplied in lengths longer than 100-ft (call for lead time)

FEP Virgin Teflon

Part Number	Nom. ID (in.)	Nom. OD (in.)	Nom. Wall (in.)	50-250 Feet	300-1000 Feet	Quantity
FEP-062x125	1/16	1/8	0.030	\$0.61	\$0.48	Buy Online!
FEP-125x188	1/8	3/16	0.030	\$0.95	\$0.75	Buy Online!
FEP-125x250	1/8	1/4	.063	\$1.99	\$1.72	Buy Online!
FEP-156x250	5/32	1/4	.047	\$1.70	\$1.55	Buy Online!
FEP-188x250	3/16	1/4	.030	\$1.24	\$0.97	Buy Online!
FEP-188x313	3/16	5/16	.063	\$2.29	\$1.95	Buy Online!
FEP-250x313	1/4	5/16	.030	\$1.95	\$1.53	Buy Online!
FEP-250x375	1/4	3/8	.063	\$2.87	\$2.43	Buy Online!
FEP-313x375	5/16	3/8	.030	\$1.97	\$1.71	Buy Online!
FEP-375x500	3/8	1/2	.063	\$4.67	\$3.72	Buy Online!
FEP-438x500	7/16	1/2	.030	\$3.37	\$2.90	Buy Online!
FEP-500x625	1/2	5/8	.063	\$5.99	\$4.79	Buy Online!
FEP-563x625	9/16	5/8	.030	\$4.25	\$3.71	Buy Online!
FEP-625x750	5/8	3/4	.063	\$7.21	\$5.71	Buy Online!
FEP-688x750	11/16	3/4	.030	\$5.53	\$4.87	Buy Online!

PTFE Virgin Teflon

Part Number	Nom. ID (in.)	Nom. OD (in.)	Nom. Wall (in.)	50-250 Feet	300-1000 feet	Quantity
PTFE-062x125	1/16	1/8	.030	\$0.57	\$0.49	Buy Online!
PTFE-125x188	1/8	3/16	.030	\$0.77	\$0.65	Buy Online!
PTFE-125x250	1/8	1/4	.063	\$1.89	\$1.61	Buy Online!
PTFE-156x250	5/32	1/4	.047	\$1.63	\$1.42	Buy Online!
PTFE-188x250	3/16	1/4	.030	\$0.95	\$0.77	Buy Online!
PTFE-188x313	3/16	5/16	.063	\$2.64	\$2.27	Buy Online!
PTFE-250x313	1/4	5/16	.030	\$1.31	\$1.09	Buy Online!
PTFE-250x375	1/4	3/8	.063	\$2.71	\$2.21	Buy Online!
PTFE-313x375	5/16	3/8	.030	\$1.77	\$1.51	Buy Online!
PTFE-375x500	3/8	1/2	.063	\$4.49	\$3.87	Buy Online!
PTFE-438x500	7/16	1/2	.030	\$2.55	\$2.11	Buy Online!
PTFE-500x625	1/2	5/8	.063	\$6.29	\$5.53	Buy Online!
PTFE-563x625	9/16	5/8	.030	\$3.97	\$3.41	Buy Online!
PTFE-563x688	9/16	11/16	.063	\$4.64	\$4.06	Buy Online!
PTFE-625x750	5/8	3/4	.063	\$7.75	\$6.81	Buy Online!
PTFE-688x750	11/16	3/4	.030	\$4.83	\$4.19	Buy Online!

FEP Performance Chart

FEP Standard Grade Tubing

Key Features: ASTM 3296; Chemically Inert to Most Industrial Fluids and Gases; UL 94 V-0; FDA Compliant; High Operating Temperature -73 to 200°C. Additional sizes and colors of FEP tubing are available by quotation.

Industrial Wall (1/32)

Heavy Wall (1/16)

OD In	ID In	Part Number	Bend Rad In.	Burst Pres* psi	OD In	ID In	Part Number	Bend Rad In.	Burst Pres* psi
3/32	1/32	FP42N30S0	1/2	2720	3/16	1/16	FP44N62S0	1/2	2720
1/8	1/16	FP44N30S0	3/4	2040	1/4	1/8	FP47N62S0	1/2	2040
5/32	3/32	FP46N30S0	1/2	1600	5/16	3/16	FP49N62S0	3/4	1600
3/16	1/8	FP47N30S0	1/2	1310	3/8	1/4	FP51N62S0	3/4	1310
1/4	3/16	FP49N30S0	3/4	960	7/16	5/16	FP53N62S0	1	1110
5/16	1/4	FP51N30S0	1	750	1/2	3/8	FP55N62S0	2 1/2	960
3/8	5/16	FP53N30S0	2	620	9/16	7/16	FP57N62S0	2 1/2	840
7/16	3/8	FP55N30S0	2	520	5/8	1/2	FP59N62S0	3	750
1/2	7/16	FP57N30S0	2 1/2	460					

Custom Wall

Metric Sizes (1mm Wall)

OD In.	ID In	Part Number	Bend Rad In	Burst Pres* Psi	OD mm	ID mm	Part Number	Bend Rad In	Burst Pres* psi
1/16	1/32	FP42N15S0	1/4	2040	4	2	FP13N39S0	1/2	2040
1/4	5/32	FP48N47S0	3/4	1500	6	4	FP48N39S0	3/4	1310
1/4	.170	FP06N40S0	3/4	1250	8	6	FP03N39S0	1	960
					10	8	FP53N39S0	2	750
					12	10	FP55N39S0	2 1/2	620

*Burst Pressure is a Theoretical Calculation at Room Temp.

PHYSICAL PROPERTIES	ASTM TEST	VALUE
Tensile Strength	D638	3,400 psi
Elongation	D638	400%
Flexural Modulus	D790	80,000 psi
MIT Flex Life	D2176	5,000
Hardness	D2240	60 Shore D

The attached chart outlines the performance and properties of FEP Teflon Tubing.

PTFE Performance Chart

PTFE Fluid Tubing

Key Features: ASTM 3295; Chemically Inert to Most Industrial Fluids and Gases; UL 94 V-0; FDA Compliant; Lowest Coefficient of Friction; High operating temperature range - 240 to 260°C. See also PTFE electrical tubing for small sizes (pg.1). Additional sizes and colors of PTFE tubing available by quotation. See also spiral cut PTFE tubing.

Industrial Wall (1/32)

Heavy Wall (1/16)

OD In	ID In	Part Number	Bend Rad In.	Burst Pres* psi	OD In	ID In	Part Number	Bend Rad In.	Burst Pres* psi
3/32	1/32	TT42N3000	1/2	2400	3/16	1/16	TT44N6200	1/2	2400
1/8	1/16	TT44N3000	3/4	1800	1/4	1/8	TT47N6200	1/2	1800
5/32	3/32	TT46N3000	1/2	1410	5/16	3/16	TT49N6200	3/4	1410
3/16	1/8	TT47N3000	1/2	1160	3/8	1/4	TT51N6200	3/4	1155
1/4	3/16	TT49N3000	3/4	840	7/16	5/16	TT53N6200	1	970
5/16	1/4	TT51N3000	1	660	1/2	3/8	TT55N6200	2 1/2	840
3/8	5/16	TT53N3000	2	550					
7/16	3/8	TT55N3000	2	460					
1/2	7/16	TT57N3000	2 1/2	400					

Custom Wall

Metric Sizes (1mm Wall)

OD In.	ID In	Part Number	Bend Rad In	Burst Pres* psi	OD mm	ID mm	Part Number	Bend Rad In	Burst Pres* psi
1/16	1/32	TT42N1500	1/4	1800	4	2	TT13N3900	1/2	1800
1/4	5/32	TT48N4700	3/4	1320	6	4	TT48N3900	3/4	1155
1/4	.170	TT06N4000	3/4	1100	8	6	TT03N3900	1	840
					10	8	TT53N3900	2	660
					12	10	TT55N3900	2 1/2	540

*Burst Pressure is a Theoretical Calculation at Room Temperature.

PHYSICAL PROPERTIES	ASTM TEST	VALUE
Tensile Strength	D638	3,000 psi
Elongation	D638	200 to 400%
Flexural Modulus	D790	27,000 psi
MIT Flex Life	D2176	>100,000
Hardness	D2240	55 to 65 Shore D

The attached chart outlines the performance and properties of PTFE Teflon Tubing.