



**SPECIFICATIONS –
ETFE AND PFA**

MAX WORKING PRESSURES

See page 108

TUBING TOLERANCES

Tubing OD	OD and ID (±)
1/16" *	0.05 mm
1/8"	0.10 mm
1/4"	0.10 mm OD
	0.20 mm ID
* ETFE with 0.20 mm ID: OD ± 0.07 Wall ± 0.08	

OPTIONS

Contact your distributor or VICI about:

- Longer tubing lengths at competitive bulk prices
- Customized ODs and IDs

ETFE TUBING

ETFE (ethyltrifluoroethylene) tubing is particularly suitable for HPLC, since it has a higher burst pressure as compared to PTFE. 1/16" OD x 0.25 mm ID tubing will withstand up to 186 bar (2700 psi) with water as mobile phase. However, it is important to note that when used with organic solvents, ETFE tubing may swell, reducing that maximum pressure to 70 bar (1000 psi).

This is the ideal polymer for applications with chloride salts, which typically corrode stainless steel.

OD	ID (mm)	NEW 1.5 m	3 m	10 m	NEW 15 m	25 m
		Product No.	Product No.	Product No.	Product No.	Product No.
1/32"	0.25	JR-T-084-M1.5	JR-T-084-M3	JR-T-084-M10	JR-T-084-M15	JR-T-084-M25
1/16"	0.20	JR-T-079-M1.5	JR-T-079-M3	JR-T-079-M10	JR-T-079-M15	JR-T-079-M25
	0.25	JR-T-080-M1.5	JR-T-080-M3	JR-T-080-M10	JR-T-080-M15	JR-T-080-M25
	0.50	JR-T-082-M1.5	JR-T-082-M3	JR-T-082-M10	JR-T-082-M15	JR-T-082-M25
	0.75	JR-T-083-M1.5	JR-T-083-M3	JR-T-083-M10	JR-T-083-M15	JR-T-083-M25
1/8"	1.00	JR-T-085-M1.5	JR-T-085-M3	JR-T-085-M10	JR-T-085-M15	JR-T-085-M25
	1.59	JR-T-086-M1.5	JR-T-086-M3	JR-T-086-M10	JR-T-086-M15	JR-T-086-M25
1/8"	2.40	JR-T-089-M1.5	JR-T-089-M3	JR-T-089-M10	JR-T-089-M15	JR-T-089-M25

OD	ID (mm)	1 m	3 m
		Product No.	Product No.
3.0 mm	1.0	JR-T-087-M1	JR-T-087-M3
6.0 mm	4.0	JR-T-088-M1	JR-T-088-M3
6.4 mm	4.8	JR-T-090-M1 NEW	JR-T-090-M3 NEW



PFA TUBING

PFA (perfluoroalkoxy) tubing from VICI Jour has excellent chemical stability and mechanical strength. 1/16" OD high purity tubing has a maximum pressure rating of up to 100 bar (1450 psi), while 1/8" OD tubing can be used at up to 72 bar (1050 psi).

Always use PFA instead of PTFE if gas permeability is an issue.

OD	ID (mm)	NEW 1.5 m	3 m	10 m	NEW 15 m	25 m
		Product No.	Product No.	Product No.	Product No.	Product No.
1/16"	0.50	JR-T-4001-M1.5	JR-T-4001-M3	JR-T-4001-M10	JR-T-4001-M15	JR-T-4001-M25
	0.75	JR-T-4002-M1.5	JR-T-4002-M3	JR-T-4002-M10	JR-T-4002-M15	JR-T-4002-M25
	1.00	JR-T-4007-M1.5	JR-T-4007-M3	JR-T-4007-M10	JR-T-4007-M15	JR-T-4007-M25
1/8"	1.59	JR-T-4003-M1.5	JR-T-4003-M3	JR-T-4003-M10	JR-T-4003-M15	JR-T-4003-M25

OD	ID (mm)	per meter
		Product No.
1/8"	1.70	JR-T-4005
3/16"	3.20	JR-T-4009
1/4"	3.97	JR-T-4006 NEW
	4.35	JR-T-4004
	4.80	JR-T-4008 NEW



TECH TIP

- When selecting tubing for low pressure applications, give careful consideration to gas permeability characteristics.
- Use PFA instead of PTFE if gas permeability is an issue.

MORE INFO

About ETFE... 113
Chemical resistance... 110
Maximum working pressure... 108
Tubing ID chart: volume per length... 107
Tubing tolerances... 109

SEE ALSO

Clean-cut polymeric tubing cutter... 100
Easy-Flange kit... 99
Low pressure fittings... 46-55
Solviflex coiled PFA tubing... 84

CONVERSIONS

50 µm = .002"	0.13 mm = .005"	3.97 mm = .156"
75 µm = .003"	0.15 mm = .006"	4.0 mm = .16"
100 µm = .004"	0.18 mm = .007"	4.35 mm = .17"
125 µm = .005"	0.20 mm = .008"	4.8 mm = .19"
150 µm = .006"	0.25 mm = .01"	1.0 m = 3.28'
0.013 mm = .0005"	0.38 mm = .015"	1.5 m = 4.92'
0.025 mm = .001"	0.50 mm = .02"	3.0 m = 9.84'
0.050 mm = .002"	0.75 mm = .03"	5.0 m = 16.40'
0.064 mm = .0025"	1.00 mm = .04"	10.0 m = 32.80'
0.075 mm = .003"	1.59 mm = 1/16"	15.0 m = 49.21'
0.07 mm = .0027"	1.70 mm = .067"	25.0 m = 82.02'
0.08 mm = .0031"	2.40 mm = .094"	
0.10 mm = .004"	3.20 mm = .126"	