

PEEK TUBING TOLERANCES

Due to tighter tolerances, VICI Jour PEEK tubing is the best choice for chromatography applications in which exact flow rates or tube volume are of importance. The tighter tolerance ensures a more consistent internal volume of transfer lines.

Tubing OD	OD (±) (mm)	ID (±) (mm)
360 µm	0.025	0.013
1/32"	0.025	0.013
1/16" *	0.025	0.013
1/16" **	0.025	0.025
1/8"	0.05	0.05

* For ID up to 0.25 mm
** For ID over 0.25 mm

OPTIONS

Contact your distributor for more information about:

- Longer bulk tubing lengths
- Customized ODs and IDs (30 m minimum quantity)

TECH TIP

- A clean burr-free perpendicular cut can be achieved with our Clean-Cut tubing cutter. 86
- To bend PEEK tubing at the optimal radius, use our tubing elbows. . . 86

MORE INFORMATION

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- Chemical resistance PEEK 96-98
- PEEK at higher temperatures 96
- Maximum working pressure 94
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- Tubing tolerances 95

RELATED PRODUCTS

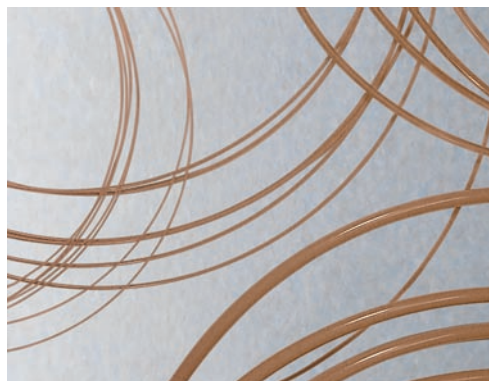
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VICI offers natural and color-coded PEEK® tubing. PEEK tubing has the strength required to withstand continuous use at HPLC pressure without swelling or bursting, and is not affected by halide salts, high strength buffers, or other aggressive mobile phases that corrode stainless steel. The polymer surface will not leach metal ions into the eluent or extract metal-sensitive components from the sample. Note however that dichloromethane, THF, and DMSO may cause swelling in PEEK, and concentrated nitric and sulphuric acid will attack PEEK.

PEEK tubing – natural

Qty/pkg:	3 m	10 m	per meter	SPECS
OD	ID	Product No.	Product No.	Product No.
360 µm	75 µm	JR-T-6060-M3	JR-T-6060-M10	—
1/32"	0.13 mm	JR-T-5993-M3	JR-T-5993-M10	—
1/16"	0.064 mm	JR-T-5998-M3	JR-T-5998-M10	—
1/8"	0.75 mm	JR-T-6004-M3	JR-T-6004-M10	—
	1.59 mm	JR-T-60041-M3	JR-T-60041-M10	—
	2.00 mm	JR-T-60042-M3	JR-T-60042-M10	—
1/4"	3.17 mm	—	—	JR-T-6006

- Maximum recommended working temp: 100°C (continuous) for 1/16" OD tubing with ID up to 0.75 mm
- Max working pressures: see page 94
- Tubing tolerances: see page 95



Natural PEEK tubing shown with ODs of 1/8", 1/16", 1/32", and 360 µm

WHICH PEEK TUBING FOR WHICH APPLICATION?

Application	Tubing
Standard HPLC*	1/16" OD x 0.25 mm ID
High pressure semi-prep LC*	1/8" OD
Agilent 1100 LC systems**	1/32"
Most capillary systems	360 µm

* Smaller ID for low flow rates/higher ID for high flow rates. Note that a low linear flow rate (cm/min) causes peak broadening.

** For some 1100 LC systems with high pressure flow paths

TECH TIP: STRAIGHTENING PEEK TUBING

1. Start with stainless steel tubing: ID slightly larger than OD of PEEK Length = 2 cm shorter than PEEK
2. Slide PEEK tubing into stainless tubing, extending 1 cm out each end of the stainless
3. Place sleeved PEEK tubing into oven: 220°C for 30 minutes, or 180°C for 60 minutes
4. Allow sleeved tubing to cool in oven to ambient temperature
5. Once tubing is cooled, remove PEEK tubing from the SS sleeve
6. Check for straightness
7. Repeat if necessary