

PEEK tubing

Experts in PEEK extrusion, PEEKsil[®] manufacturing and precision fluidics

www.trajanscimed.com

Trajan precision bore PEEK tubing is designed specifically for modern LC, LCMS and automation usage. PEEK tubing is a flexible alternative to stainless steel tubing in high pressure applications.

Trajan precision bore PEEK tubing ensures reproducibility in your chromatographic flow rates through smooth internal surface along with consistent and tight toleranced IDs.

Bio-inert | Bio-compatible



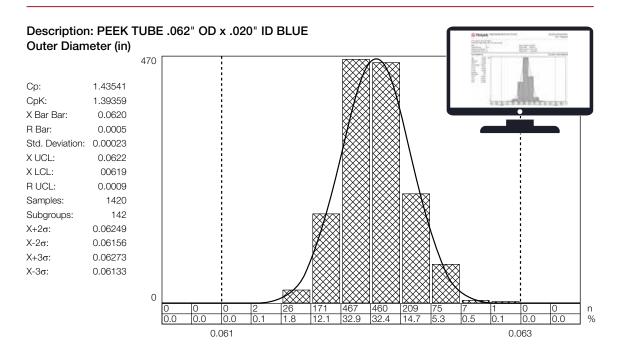
PEEK tubing specification chart

OD ID Matural 1/16" 0.0025" ±0.001" ±0.0005" 100°C 7,000 psi (483 bar) Natural 1/16" 0.004" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Black 1/16" 0.005" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Pellow 1/16" 0.010" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Yellow 1/16" 0.010" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Natural 1/16" 0.015" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Natural 1/16" 0.015" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Gray 1/16" 0.015" ±0.001" 100°C 4,000 psi (276 bar) Gray 1/16" 0.020" ±0.001" ±0.001" 100°C 5,000 psi (345 bar) Natural 1/16" 0.030" ±0.001" ±0.005" 100°C 5,000 psi (345 bar) Natura	OD	ID	Tolerances		Operating temperature (max °C)	Max operating pressure (psi/bar)	Color
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1/16" 0.005" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Red 1/16" 0.007" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Yellow 1/16" 0.010" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Blue 1/16" 0.013" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Orange 1/16" 0.015" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Natural 1/16" 0.015" ±0.001" ±0.001" 100°C 7,000 psi (483 bar) Orange 1/16" 0.015" ±0.001" ±0.001" 100°C 6,000 psi (414 bar) Orange 1/16" 0.030" ±0.001" ±0.001" 100°C 4,000 psi (276 bar) Red 1/16" 0.030" ±0.001" ±0.001" 100°C 5,000 psi (345 bar) Natural 1/32" 0.004" ±0.005" ±0.005" 100°C 5,000 psi (345 bar) Black 1/32" 0.005"<	1/16"	0.0025"	±0.001"	±0.0005"	100°C	7,000 psi (483 bar)	Natural
h/16" 0.007* ±0.001* ±0.001* 100°C 7,000 psi (483 bar) Yellow h/16" 0.010* ±0.001* ±0.001* 100°C 7,000 psi (483 bar) Blue h/16" 0.013* ±0.001* ±0.001* 100°C 7,000 psi (483 bar) Orange h/16" 0.015* ±0.001* ±0.001* 100°C 7,000 psi (483 bar) Natural h/16" 0.015* ±0.001* ±0.001* 100°C 7,000 psi (483 bar) Orange h/16" 0.015* ±0.001* ±0.001* 100°C 6,000 psi (414 bar) Orange h/16" 0.030* ±0.001* ±0.001* 100°C 4,000 psi (276 bar) Green h/16" 0.030* ±0.001* ±0.001* 100°C 5,000 psi (345 bar) Natural h/32" 0.004* ±0.005* ±0.005* 100°C 5,000 psi (345 bar) Black h/32" 0.005* ±0.005* 100°C 5,000 psi (345 bar) Blue h/32" 0.005* ±0.00	1/16"	0.004"	±0.001"	±0.0005"	100°C	7,000 psi (483 bar)	Black
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1/16" 0.030" ±0.001" ±0.001" 100°C 4,000 psi (276 bar) Red 1/16" 0.040" ±0.001" ±0.001" 100°C 3,000 psi (207 bar) Natural 1/32" 0.0025" ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Natural 1/32" 0.004" ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Black 1/32" 0.005" ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Red 1/32" 0.007" ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Red 1/32" 0.007" ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Red 1/32" 0.010" ±0.0005" ±0.005" 100°C 4,000 psi (276 bar) Natural 1/32" 0.015" ±0.0005" 100°C 4,000 psi (276 bar) Saga 1/32" 0.015" ±0.005" 100°C 4,000 psi (276 bar) Saga 1/32" 0.020" ±0.005" ±0	1/16"	0.020"	±0.001"	±0.001"	100°C	6,000 psi (414 bar)	Orange
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1/32" $0.0025"$ $\pm 0.0005"$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Natural1/32" $0.004"$ $\pm 0.0005"$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Black1/32" $0.005"$ $\pm 0.0005"$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Red1/32" $0.007"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Yellow1/32" $0.007"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Yellow1/32" $0.010"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Blue1/32" $0.015"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $4,000 \text{ psi} (276 \text{ bar})$ Natural1/32" $0.015"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $3,000 \text{ psi} (276 \text{ bar})$ Gray1/32" $0.020"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Natural1/32" $0.020"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $3,000 \text{ psi} (276 \text{ bar})$ Orange360 µm $50 µm (0.002")$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Black360 µm $100 µm (0.004")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (345 \text{ bar})$ Black360 µm $125 µm (0.005")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (345 \text{ bar})$ Green360 µm $125 µm (0.006")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (13$	1/16"	0.030"	±0.001"	±0.001"	100°C	4,000 psi (276 bar)	Red
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1/32" $0.005"$ $\pm 0.0005"$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Red1/32" $0.007"$ $\pm 0.0005"$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Yellow1/32" $0.010"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Blue1/32" $0.015"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $4,000 \text{ psi} (276 \text{ bar})$ Natural1/32" $0.015"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $4,000 \text{ psi} (276 \text{ bar})$ Natural1/32" $0.015"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $3,000 \text{ psi} (276 \text{ bar})$ Gray1/32" $0.020"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $3,000 \text{ psi} (276 \text{ bar})$ Orange360 µm $50 µm (0.002")$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Natural360 µm $75 µm (0.003")$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Black360 µm $100 µm (0.004")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (345 \text{ bar})$ Black360 µm $125 µm (0.005")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (348 \text{ bar})$ Green360 µm $125 µm (0.006")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (138 \text{ bar})$ Green360 µm $150 µm (0.006")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (138 \text{ bar})$ Green360 µm $150 µm (0.006")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (138 \text{ bar})$ Yellow	1/32"	0.0025"	±0.0005"	±0.0005"	100°C	5,000 psi (345 bar)	Natural
1/32" $0.007"$ $\pm 0.0005"$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Yellow1/32" $0.010"$ $\pm 0.0005"$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Blue1/32" $0.015"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $4,000 \text{ psi} (276 \text{ bar})$ Natural1/32" $0.015"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $4,000 \text{ psi} (276 \text{ bar})$ Gray1/32" $0.020"$ $\pm 0.0005"$ $\pm 0.005"$ $100^{\circ}C$ $3,000 \text{ psi} (207 \text{ bar})$ Orange360 µm $50 µm (0.002")$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Natural360 µm $75 µm (0.003")$ $\pm 0.0005"$ $100^{\circ}C$ $5,000 \text{ psi} (345 \text{ bar})$ Black360 µm $75 µm (0.004")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (345 \text{ bar})$ Black360 µm $100 µm (0.004")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (138 \text{ bar})$ Red360 µm $125 µm (0.005")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (138 \text{ bar})$ Green360 µm $150 µm (0.006")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (138 \text{ bar})$ Green360 µm $150 µm (0.006")$ $\pm 0.0005"$ $100^{\circ}C$ $2,000 \text{ psi} (138 \text{ bar})$ Yellow $1/8"$ $0.062"$ $\pm 0.003"$ $100^{\circ}C$ $4,000 \text{ psi} (276 \text{ bar})$ Natural	1/32"	0.004"	±0.0005"	±0.0005"	100°C	5,000 psi (345 bar)	Black
1/32"0.010"±0.0005"±0.0005"100°C5,000 psi (345 bar)Blue1/32"0.015"±0.0005"±0.0005"100°C4,000 psi (276 bar)Natural1/32"0.015"±0.0005"±0.0005"100°C4,000 psi (276 bar)Gray1/32"0.020"±0.0005"±0.0005"100°C3,000 psi (207 bar)Orange360 µm50 µm (0.002")±0.0005"±0.0005"100°C5,000 psi (345 bar)Natural360 µm75 µm (0.003")±0.0005"±0.005"100°C5,000 psi (345 bar)Black360 µm100 µm (0.004")±0.0005"±0.005"100°C2,000 psi (138 bar)Red360 µm125 µm (0.005")±0.005"100°C2,000 psi (138 bar)Green360 µm150 µm (0.006")±0.005"100°C2,000 psi (138 bar)Green360 µm150 µm (0.006")±0.005"100°C2,000 psi (138 bar)Yellow1/8"0.062"±0.003"±0.003"100°C4,000 psi (276 bar)Natural	1/32"	0.005"	±0.0005"	±0.0005"	100°C	5,000 psi (345 bar)	Red
1/32" 0.015" ±0.0005" ±0.0005" 100°C 4,000 psi (276 bar) Natural 1/32" 0.015" ±0.0005" ±0.0005" 100°C 4,000 psi (276 bar) Gray 1/32" 0.020" ±0.0005" ±0.0005" 100°C 3,000 psi (276 bar) Orange 360 μm 50 μm (0.002") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Natural 360 μm 75 μm (0.003") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Black 360 μm 100 μm (0.004") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Red 360 μm 125 μm (0.005") ±0.0005" 100°C 2,000 psi (138 bar) Green 360 μm 125 μm (0.006") ±0.0005" 100°C 2,000 psi (138 bar) Green 360 μm 150 μm (0.006") ±0.0005" 100°C 2,000 psi (138 bar) Yellow 1/8" 0.062" ±0.003" ±0.003" 100°C 4,000 psi (276 bar) Natural	1/32"	0.007"	±0.0005"	±0.0005"	100°C	5,000 psi (345 bar)	Yellow
1/32" 0.015" ±0.0005" ±0.0005" 100°C 4,000 psi (276 bar) Gray 1/32" 0.020" ±0.0005" ±0.0005" 100°C 3,000 psi (276 bar) Orange 360 µm 50 µm (0.002") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Natural 360 µm 75 µm (0.003") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Black 360 µm 100 µm (0.004") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Red 360 µm 125 µm (0.005") ±0.0005" 100°C 2,000 psi (138 bar) Green 360 µm 150 µm (0.006") ±0.0005" 100°C 2,000 psi (138 bar) Green 360 µm 150 µm (0.006") ±0.0005" 100°C 2,000 psi (138 bar) Green 360 µm 150 µm (0.006") ±0.0005" 100°C 2,000 psi (138 bar) Yellow 1/8" 0.062" ±0.003" ±0.003" 100°C 4,000 psi (276 bar) Natural <td>1/32"</td> <td>0.010"</td> <td>±0.0005"</td> <td>±0.0005"</td> <td>100°C</td> <td>5,000 psi (345 bar)</td> <td>Blue</td>	1/32"	0.010"	±0.0005"	±0.0005"	100°C	5,000 psi (345 bar)	Blue
1/32" 0.020" ±0.0005" ±0.0005" 100°C 3,000 psi (207 bar) Orange 360 μm 50 μm (0.002") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Natural 360 μm 75 μm (0.003") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Natural 360 μm 75 μm (0.003") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Black 360 μm 100 μm (0.004") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Red 360 μm 125 μm (0.005") ±0.0005" 100°C 2,000 psi (138 bar) Green 360 μm 150 μm (0.006") ±0.0005" 100°C 2,000 psi (138 bar) Yellow 1/8" 0.062" ±0.003" 100°C 4,000 psi (276 bar) Natural	1/32"	0.015"	±0.0005"	±0.0005"	100°C	4,000 psi (276 bar)	Natural
360 μm 50 μm (0.002") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Natural 360 μm 75 μm (0.003") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Black 360 μm 75 μm (0.003") ±0.0005" ±0.0005" 100°C 2,000 psi (345 bar) Black 360 μm 100 μm (0.004") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Red 360 μm 125 μm (0.005") ±0.0005" 100°C 2,000 psi (138 bar) Green 360 μm 150 μm (0.006") ±0.0005" ±0.005" 100°C 2,000 psi (138 bar) Yellow 1/8" 0.062" ±0.003" ±0.003" 100°C 4,000 psi (276 bar) Natural	1/32"	0.015"	±0.0005"	±0.0005"	100°C	4,000 psi (276 bar)	Gray
λ 75 μm (0.003") ±0.0005" ±0.0005" 100°C 5,000 psi (345 bar) Black 360 μm 100 μm (0.004") ±0.0005" ±0.0005" 100°C 2,000 psi (345 bar) Black 360 μm 100 μm (0.004") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Red 360 μm 125 μm (0.005") ±0.0005" ±0.005" 100°C 2,000 psi (138 bar) Green 360 μm 150 μm (0.006") ±0.0005" ±0.005" 100°C 2,000 psi (138 bar) Yellow 1/8" 0.062" ±0.003" ±0.003" 100°C 4,000 psi (276 bar) Natural	1/32"	0.020"	±0.0005"	±0.0005"	100°C	3,000 psi (207 bar)	Orange
λ λ	360 µm	50 µm (0.002")	±0.0005"	±0.0005"	100°C	5,000 psi (345 bar)	Natural
360 μm 125 μm (0.005") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Green 360 μm 150 μm (0.006") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Yellow 1/8" 0.062" ±0.003" 100°C 4,000 psi (276 bar) Natural	360 µm	75 µm (0.003")	±0.0005"	±0.0005"	100°C	5,000 psi (345 bar)	Black
360 μm 150 μm (0.006") ±0.0005" ±0.0005" 100°C 2,000 psi (138 bar) Yellow 1/8" 0.062" ±0.003" 100°C 4,000 psi (276 bar) Natural	360 µm	100 µm (0.004")	±0.0005"	±0.0005"	100°C	2,000 psi (138 bar)	Red
1/8" 0.062" ±0.003" 100°C 4,000 psi (276 bar) Natural	360 µm	125 µm (0.005")	±0.0005"	±0.0005"	100°C	2,000 psi (138 bar)	Green
	360 µm	150 µm (0.006")	±0.0005"	±0.0005"	100°C	2,000 psi (138 bar)	Yellow
1/8" 0.080" ±0.003" ±0.003" 100°C 3,000 psi (207 bar) Natural	1/8"	0.062"	±0.003"	±0.003"	100°C	4,000 psi (276 bar)	Natural
	1/8"	0.080"	±0.003"	±0.003"	100°C	3,000 psi (207 bar)	Natural

Specifications

- Operating temperature up to 100°C max continuous use.
- Operating pressure range up to 10,000 psi (690 bar), size dependent.
- Can be used across a broad pH range of 2 to 14.
- Pre-cut lengths of 5', 10', 50' and 100'.

Real-time online SPC data



Features and benefits

- Excellent chemical resistance and inert to most commonly used solvents. Exceptions are very caustic reagents, strong acids and bases.
- Bio-inert and bio-compatible.
- Color coded to industry standards for easy identification of internal diameter.
- Leach free colorants.
- Smooth inner walls and precise IDs.
- Works well with both polymer or stainless steel fittings.
- Can be formed to specific customer needs.



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Precision engineered to make stronger, more reliable connections within the instrument workflow

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Trajan's range of connection solutions for PEEK tubing extends to:

- Traditional PEEK Fingertight options.
- ProteCol[®] stainless connectors to join tubing of different ODs and IDs together.
- PEEKLok[™] fittings:
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 - improve performance at higher pressures
 - simplify port configurations with less crowding

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Trajan is actively engaged in developing and delivering solutions that have a positive impact on human wellbeing. Our vision revolves around collaborative partnerships that improve workflows, delivering better results.



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