

Ketron® IM 1000 PEEK

High Pressure Steam, Corrosion, and Wear Resistance



Trends in Valve Market

- Higher temperature and loads
- Low maintenance, increase life in service
- Cost effective solutions, ease to manufacture
- Reduce fugitive emissions
- Sealing support in HTHP applications

Solutions

- Material temperatures up to 480°F / 250°C
- Self lubricated materials
- High resistance to fuels, lubricants, and chemicals
- Better physical properties than conventional solutions
- Near net shapes, machining, and molded parts
- Lowest stress shapes

Ketron® 1000 PEEK Thin Wall Tubes – Injection Molded

- **Additional formulations also available via MTO** in Ketron® GF30 PEEK (30% Glass filled), Ketron® CA30 PEEK (30% Carbon filled), and Ketron® HPV PEEK (Bearing Grade)
- **NORSOK M710 compliant:** Ketron® 1000 PEEK has been tested and is compliant according to NORSOK M710, including sour gas aging



Ketron® IM 1000 PEEK Natural Tubes Available Sizes*

Dimension (inch) ⁽¹⁾			Dimension (mm) ⁽¹⁾			Stock Status
O.D x I.D. ⁽²⁾	Wall	Length	O.D x I.D. ⁽²⁾	Wall	Length	
1.00 x 0.50	0.25	6	25.40 x 12.70	6.35	153	-
1.25 x 0.75	0.25	6	31.75 x 19.05	6.35	153	X
1.50 x 0.50	0.50	6	38.10 x 12.70	12.70	153	X
1.50 x 1.00	0.25	6	38.10 x 25.40	6.35	153	-
1.75 x 1.00	0.38	6	44.45 x 25.40	9.53	153	-
2.00 x 1.00	0.50	6	50.80 x 25.40	12.70	153	-
2.00 x 1.25	0.38	6	50.80 x 31.75	9.53	153	-
2.00 x 1.50	0.25	6	50.80 x 38.10	6.35	153	X
2.25 x 1.25	0.50	6	57.15 x 31.75	12.70	153	-
2.25 x 1.50	0.38	6	57.15 x 38.10	9.525	153	X
2.25 x 1.75	0.25	6	57.15 x 44.45	6.35	153	-
2.50 x 1.50	0.50	6	63.50 x 38.10	12.70	153	-
2.50 x 2.00	0.25	6	63.50 x 50.80	6.35	153	-
2.75 x 1.75	0.50	6	69.85 x 44.45	12.70	153	X
2.75 x 2.25	0.25	6	69.85 x 57.15	6.35	153	-
3.00 x 2.00	0.50	6	76.20 x 50.80	12.70	153	X
3.00 x 2.50	0.25	6	76.20 x 63.50	6.35	153	-
3.25 x 2.50	0.38	6	82.55 x 63.50	9.53	153	-
3.25 x 2.75	0.25	6	82.55 x 69.85	6.35	153	-
3.50 x 2.50	0.50	6	88.90 x 63.50	12.70	153	X
3.50 x 3.00	0.25	6	88.90 x 76.20	6.35	153	-
3.75 x 3.25	0.25	6	95.25 x 82.55	6.35	153	-
3.75 x 3.00	0.38	6	95.25 x 76.20	9.53	153	-
3.94 x 1.97	0.99	6	100.08 x 50.04	25.01	153	-
4.00 x 3.00	0.50	6	101.60 x 76.20	12.70	153	X
4.00 x 3.25	0.38	6	101.60 x 82.55	9.53	153	-
4.00 x 3.50	0.25	6	101.60 x 88.90	6.35	153	X
4.25 x 3.50	0.38	6	107.95 x 88.90	9.53	153	-
4.25 x 3.75	0.25	6	107.95 x 95.25	6.35	153	-
4.50 x 3.00	0.75	6	114.30 x 76.20	19.05	153	-
4.50 x 3.25	0.63	6	114.30 x 82.55	15.875	153	-
4.50 x 3.50	0.50	6	114.30 x 88.90	12.70	153	X
4.50 x 4.00	0.25	6	114.30 x 101.60	6.35	153	-
4.57 x 2.76	0.91	6	116.08 x 70.10	22.987	153	-
4.75 x 4.00	0.38	6	120.65 x 101.60	9.53	153	-
4.75 x 4.25	0.25	6	120.65 x 107.95	6.35	153	-
5.00 x 4.00	0.50	6	127.00 x 101.60	12.70	153	X
5.00 x 4.50	0.25	6	127.00 x 114.30	6.35	153	-
5.25 x 4.00	0.63	6	133.35 x 101.60	15.875	153	-
5.25 x 4.25	0.50	6	133.35 x 107.95	12.70	153	X
5.25 x 4.50	0.38	6	133.35 x 114.30	9.53	153	-
5.50 x 4.00	0.75	6	139.70 x 101.60	19.05	153	-
5.50 x 4.50	0.50	6	139.70 x 114.30	12.70	153	-
5.50 x 5.00	0.25	6	139.70 x 127.00	6.35	153	-
5.75 x 5.00	0.38	6	146.05 x 127.00	9.53	153	-
5.75 x 5.25	0.25	6	146.05 x 133.35	6.35	153	-
6.00 x 5.00	0.50	6	152.40 x 127.00	12.70	153	-
6.00 x 5.25	0.38	6	152.40 x 133.35	9.53	153	-
6.00 x 5.50	0.25	6	152.40 x 139.70	6.35	153	-
6.25 x 5.25	0.50	6	158.75 x 133.35	12.70	153	-
6.25 x 5.50	0.38	6	158.75 x 139.70	9.53	153	-
6.25 x 5.75	0.25	6	158.75 x 146.05	6.35	153	-
6.50 x 6.00	0.25	6	165.10 x 152.40	6.35	153	-
6.75 x 6.25	0.25	6	171.45 x 158.75	6.35	153	-
7.00 x 6.25	0.38	6	177.80 x 158.75	9.53	153	-
7.00 x 6.50	0.25	6	177.80 x 165.10	6.35	153	-
7.25 x 6.25	0.50	6	184.15 x 158.75	12.70	153	-
7.25 x 6.50	0.38	6	184.15 x 165.10	9.53	153	-
7.25 x 6.75	0.25	6	184.15 x 171.45	6.35	153	-
7.50 x 6.75	0.38	6	190.50 x 171.45	9.53	153	-
7.50 x 7.00	0.25	6	190.50 x 177.80	6.35	153	-

- = Non-standard item (generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning)
X = Standard item (generally available from stock; bulk quantities to be manufactured to order)

(1) For non-listed dimensions, please contact us: additional sizes available with tooling purchase
(2) Tolerances on the diameters: O.D. + .025" / - 0" and I.D. + 0" / - .025", O.D. + 0.64 mm / - 0 / + 0.64 mm / mm and I.D. + 0 mm / - 0.65 / + 0mm
*Ketron® 1000 PEEK black also possible, however, only custom run with MOQ

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