

PFA Tubing

Series 104, 105, 204, 205: Fractional & Metric

Combines the high temperature of PTFE with the long continuous lengths of FEP



Features

- Virgin Perfluoroalkoxy
- Translucent
- Low permeability
- Exceptional heat resistance
- Chemically inert
- Long continuous lengths
- Low coefficient of friction
- Self extinguishing
- Non-wetting
- Non leaching

High Purity (105, 205)

- Withstands corrosive surfactants for longer periods of time
- Highest molecular weight available

Compliance

- ASTM D3307
- 21 CFR 177.1550 Compliant
- USP Class VI

Notes

- Working Temperature: °F (-75°C) to 500°F (260°C)
- Vacuum Rating 28 @ 73°F
- Working pressure calculated using a Design Factor of 4
- Custom packaging and sizes are quoted upon request

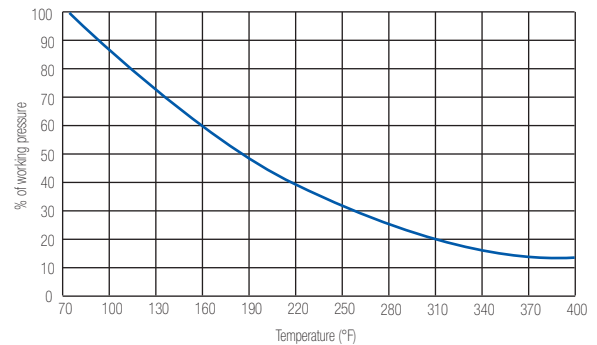
Fittings

Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI

(269) 692-6555
(269) 692-6634 FAX
parker.com/fsc

For approved fittings and/or suggested use of tube supports, reference Tube/Fitting Compatibility Chart (pg. B-8/B-9) or contact Parker Fluid Systems Connectors Division

**PFA Tubing (Series 104, 105, 204, 205)
Maximum Working Pressure (psi)**



Order Information

Example: 104-0188062-NT-100

104-0188062-NT-100 – PFA

104-**0188**062-NT-100 – Tube O.D. in inches (3/16")

104-0188**062**-NT-100 – Tube Wall Thickness in inches (.062")

104-0188062-**NT**-100 – Natural

104-0188062-**NT**-100 – Bulk Tubing

104-0188062-NT-**100** – Package Quantity in feet (100')



WARNING

This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

PFA Tubing - High Purity

Series 105, 205

Series 105 - High Purity PFA Fractional Industrial Wall Tubing

Part Number	Order Size	Nominal O.D.				Nominal I.D.				Reference Wall Thickness		Working Pressure 73°F (23°C)		Minimum Burst Pressure		Minimum Bend Radius		Vac. Rating	Weight	
		inch	tol.	mm	tol.	inch	tol.	mm	tol.	inch	mm	psi	bar	psi	bar	inch	mm		lb./ft.	kg./mt
105-0125031	1/8	0.125	± 0.004	3.18	± 0.102	0.064	± 0.004	1.63	± 0.102	0.031	0.79	500	34	2000	138	0.375	10	28	0.009	0.013
105-0188031	3/16	0.188	± 0.005	4.78	± 0.127	0.125	± 0.005	3.18	± 0.127	0.031	0.79	320	22	1280	88	0.625	16	28	0.014	0.021
105-0250031	1/4	0.250	± 0.005	6.35	± 0.127	0.188	± 0.005	4.78	± 0.127	0.031	0.79	230	16	920	63	0.875	22	28	0.020	0.030
105-0375031	3/8	0.375	± 0.005	9.52	± 0.127	0.312	± 0.005	7.92	± 0.127	0.031	0.79	140	10	560	39	3.250	83	28	0.031	0.046

Series 105 - High Purity PFA Fractional Heavy Wall Tubing

105-0250040	1/4	0.250	± 0.005	6.35	± 0.127	0.170	± 0.005	4.32	± 0.127	0.040	1.02	280	19	1120	77	1.250	32	28	0.025	0.037
105-0250047	1/4	0.250	± 0.005	6.35	± 0.127	0.156	± 0.005	3.96	± 0.127	0.047	1.19	340	23	1360	94	0.750	19	28	0.028	0.042
105-0250062	1/4	0.250	± 0.005	6.35	± 0.127	0.125	± 0.005	3.18	± 0.127	0.062	1.57	470	32	1880	130	0.750	19	28	0.034	0.051
105-0375062	3/8	0.375	± 0.005	9.52	± 0.127	0.250	± 0.005	6.35	± 0.127	0.062	1.57	290	20	1160	80	1.500	38	28	0.057	0.085
105-0500062	1/2	0.500	± 0.005	12.70	± 0.127	0.375	± 0.005	9.53	± 0.127	0.062	1.57	210	14	840	58	2.125	54	28	0.079	0.118
105-0750062	3/4	0.750	± 0.006	19.05	± 0.152	0.625	± 0.006	15.88	± 0.152	0.062	1.57	130	9	520	36	6.000	152	28	0.125	0.186
105-1000062	1	1.000	± 0.010	25.40	± 0.254	0.875	± 0.010	22.22	± 0.254	0.062	1.57	90	6	360	25	8.000	203	28	0.170	0.253

Series 205 - PFA High Purity Metric Size Tubing

Part Number	Order Size	Nominal O.D.				Nominal I.D.				Reference Wall Thickness		Working Pressure 73°F (23°C)		Minimum Burst Pressure		Minimum Bend Radius		Vac. Rating	Weight	
		mm	mm	tol.	inch	tol.	mm	tol.	inch	tol.	mm	inch	bar	psi	bar	psi	mm		inch	kg/mtr
205-0300100	3	3	± 0.11	0.118	± 0.004	1	± 0.11	0.039	± 0.004	1	0.039	27	390	108	1560	6	0.250	28	0.014	0.009
205-0400100	4	4	± 0.11	0.157	± 0.004	2	± 0.11	0.079	± 0.004	1	0.039	20	290	80	1160	13	0.500	28	0.020	0.014
205-0600100	6	6	± 0.13	0.236	± 0.005	4	± 0.13	0.157	± 0.005	1	0.039	12	180	50	720	29	1.125	28	0.034	0.023
205-0800100	8	8	± 0.13	0.315	± 0.005	6	± 0.13	0.236	± 0.005	1	0.039	9	130	36	520	51	2.000	28	0.047	0.032
205-1000100	10	10	± 0.13	0.393	± 0.005	8	± 0.13	0.315	± 0.005	1	0.039	7	100	28	400	70	2.750	28	0.061	0.041
205-1200100	12	12	± 0.15	0.472	± 0.006	10	± 0.15	0.394	± 0.006	1	0.039	6	80	22	320	76	3.000	28	0.074	0.050

Colors

- Standard is natural
- Colors available as custom run

Color Code			Color Code		
○	N	Natural	●	5	Green
●	0	Black	●	6	Blue
●	1	Brown	●	7	Violet
●	2	Red	●	8	Gray
●	3	Orange	○	9	White
●	4	Yellow			



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