

BPE - Pharmaceutical Grade Tubing

Size (inch)	Wall Thickness (mm)	Length (mm)	PL Finish - SF1 ¹		PM Finish - SF4 ²	
			Part No.	Price \$	Part No.	Price \$
½	1.65	6096	A270-050PL	398.98	A270-050PM	580.64
¾	1.65	6096	A270-075PL	527.19	A270-075PM	1068.61
1	1.65	6096	A270-100PL	489.05	A270-100PM	878.97
1½	1.65	6096	A270-150PL	715.03	A270-150PM	1313.35
2	1.65	6096	A270-200PL	964.07	A270-200PM	1848.40
2½	1.65	6096	A270-250PL	1166.24	A270-250PM	2137.30
3	1.65	6096	A270-300PL	1406.24	A270-300PM	2576.16
4	2.11	6096	A270-400PL	1884.55	A270-400PM	3453.95

Price Group: DS

AV17

¹ SF1 - 316L ASTM A270-S2 ASME BPE welded tube
ID = 0.5µm R_a mechanical polish OD = 0.8µm R_a mechanical polish

² SF4 - 316L ASTM A270-S2 ASME BPE welded tube
ID = 0.25µm R_a electropolish OD = 0.8µm R_a mechanical polish

Note - only sold in lengths. Non returnable.



Operating Pressures - 316 Stainless Steel Tube

Tube OD Size (inch)	Tube OD Size (inch)	Pressure (PSI) bar/kPA		
		Working	Yield	Burst
½	.065	3250	6500	19500
¾	.065	2167	4330	13000
1	.065	2280	3300	9100
1½	.065	1520	2200	6100
2	.065	1140	1600	4600
2½	.065	910	1300	3600
3	.065	760	1100	3000
4	.083	730	1000	2900
6	.109	635	900	2540

The pressures shown in the table above are valid using Barlow's Formula and the following properties:

- material: 316L stainless steel
- yield strength (PSI): 25,000 bar/kPA
- tensile strength (PSI): 70,000 bar/kPA

Working Pressure = ¼ of Burst Pressure, these valid from -20°F to 100°F.

All MTR's will be supplied by tubing manufacturer.