



# PTFE Tubing

PTFE exhibits the best performance in terms of temperature, chemical resistance and non-stick properties. Compared with similar fluoropolymers, PTFE usually has the best price : performance ratio.

PTFE tube is available from stock in hundreds of standard metric and imperial sizes from 0.20mm to 22mm ID, with a variety of wall thickness, including thin wall tubing. PTFE tube is both flexible and conductive.

Each application has different requirements, so we also produce special custom PTFE tubing to order.



## PTFE Tubing Unique Properties

PTFE is the grandfather of all fluoroplastics; it is the most unusual and exhibits the best temperature, chemical resistance and non-stick performance.

- ◆ Very high working temperatures: Maximum 260°C
- ◆ Non-stick characteristics
- ◆ Low friction surface
- ◆ Very high resistance to chemicals and solvents
- ◆ Very high electrical resistance

PTFE's major disadvantage is that it does not actually melt when heated and therefore, is difficult to process and very unconventional techniques are needed to mold, extrude and weld it.

We have developed processing techniques over the years to manipulate this unusual fluoroplastic.

For more information about our PTFE Tubing, please visit [adtech.co.uk](http://adtech.co.uk).

For other custom sizes or technical assistance, contact our customer service team:

+44 (0)1285 762000 - [sales@adtech.co.uk](mailto:sales@adtech.co.uk)

## Standard PTFE Tubing Sizes: 0.20mm to 0.99mm

Nom. ID (mm)	Nom. OD (mm)	Wall (mm)	Adtech Part No	USA Ref.	Av.	Series Type
0.20	0.40	0.10	<b>UT2</b>		Ex-stock	Ultra thin wall (microbore)
0.30	0.50	0.10	<b>UT3</b>		Ex-stock	Ultra thin wall (microbore)
0.32	0.60	0.15	<b>STW30</b>	AWG30L	Ex-stock	Light wall sleeve
0.32	0.76	0.23	<b>TW30</b>	AWG30T	Ex-stock	Standard wall sleeve
0.32	0.76	0.23	<b>HW30</b>	AWG30S	Ex-stock	Heavy wall sleeve
0.40	0.68	0.15	<b>STW28</b>	AWG28L	Ex-stock	Light wall sleeve
0.40	0.84	0.23	<b>TW28</b>	AWG28T	Ex-stock	Standard wall sleeve
0.40	0.84	0.23	<b>HW28</b>	AWG28S	Ex-stock	Heavy wall sleeve
0.40	0.60	0.10	<b>UT4</b>		Ex-stock	Ultra thin wall (microbore)
0.47	0.76	0.15	<b>STW26</b>	AWG26L	Ex-stock	Light wall sleeve
0.47	0.92	0.23	<b>TW26</b>	AWG26T	Ex-stock	Standard wall sleeve
0.47	0.92	0.23	<b>HW26</b>	AWG26S	Ex-stock	Heavy wall sleeve
0.50	0.70	0.10	<b>UT5</b>		Ex-stock	Ultra thin wall (microbore)
0.59	0.86	0.15	<b>STW24</b>	AWG24L	Ex-stock	Light wall sleeve
0.59	1.06	0.25	<b>TW24</b>	AWG24T	Ex-stock	Standard wall sleeve
0.59	1.16	0.30	<b>HW24</b>	AWG24S	Ex-stock	Heavy wall sleeve
0.60	0.80	0.10	<b>UT6</b>		Ex-stock	Ultra thin wall (microbore)
0.70	0.90	0.10	<b>UT7</b>		Ex-stock	Ultra thin wall (microbore)
0.73	1.01	0.15	<b>STW22</b>	AWG22L	Ex-stock	Light wall sleeve
0.73	1.21	0.25	<b>TW22</b>	AWG22T	Ex-stock	Standard wall sleeve
0.73	1.31	0.30	<b>HW22</b>	AWG22S	Ex-stock	Heavy wall sleeve
0.79	2.31	0.76	<b>PT1/32x3/3</b>		Ex-stock	Imperial light wall
0.80	1.00	0.10	<b>UT8</b>		Ex-stock	Ultra thin wall (microbore)
0.80	1.60	0.40	<b>PT1/32x1/1</b>		Ex-stock	Imperial light wall
0.82	1.11	0.15	<i>STW21</i>	AWG21L	MTO	Light wall sleeve
0.82	1.31	0.25	<i>TW21</i>	AWG21T	MTO	Standard wall sleeve
0.82	1.41	0.30	<i>HW21</i>	AWG21S	MTO	Heavy wall sleeve
0.90	1.10	0.10	<b>UT9</b>		Ex-stock	Ultra thin wall (microbore)
0.91	1.16	0.15	<b>STW20</b>	AWG20L	Ex-stock	Light wall sleeve
0.91	1.46	0.30	<b>TW20</b>	AWG20T	Ex-stock	Standard wall sleeve
0.91	1.68	0.41	<b>HW20</b>	AWG20S	Ex-stock	Heavy wall sleeve

**Ex-stock:** Preferred sizes and normally available ex-stock (subject to availability).

**MTO:** Made to order and not available from stock.

## Standard PTFE Tubing Sizes: 1.00mm to

Nom. ID (mm)	Nom. OD	Wall (mm)	Adtech Part No	USA Ref.	Av.	Series Type
1.00	1.20	0.10	<b>UT10</b>		Ex-stock	Ultra thin wall (microbore)
1.01	1.27	0.15	<b>STW19</b>	AWG19L	Ex-stock	Light wall sleeve
1.01	1.57	0.30	<b>TW19</b>	AWG19T	Ex-stock	Standard wall sleeve
1.01	1.79	0.41	<b>HW19</b>	AWG19S	Ex-stock	Heavy wall sleeve
1.14	1.31	0.15	<b>STW18</b>	AWG18L	Ex-stock	Light wall sleeve
1.14	1.61	0.30	<b>TW18</b>	AWG18T	Ex-stock	Standard wall sleeve
1.14	1.83	0.41	<b>HW18</b>	AWG18S	Ex-stock	Heavy wall sleeve
1.20	1.40	0.10	<i>UT12</i>		MTO	Ultra thin wall (microbore)
1.26	1.49	0.15	<b>STW17</b>	AWG17L	Ex-stock	Light wall sleeve
1.26	1.79	0.30	<b>TW17</b>	AWG17T	Ex-stock	Standard wall sleeve
1.26	2.01	0.41	<b>HW17</b>	AWG17S	Ex-stock	Heavy wall sleeve
1.30	1.50	0.10	<i>UT13</i>		MTO	Ultra thin wall (microbore)
1.40	1.60	0.10	<i>UT14</i>		MTO	Ultra thin wall (microbore)
1.43	1.65	0.15	<b>STW16</b>	AWG16L	Ex-stock	Light wall sleeve
1.43	1.95	0.30	<b>TW16</b>	AWG16T	Ex-stock	Standard wall sleeve
1.43	2.17	0.41	<b>HW16</b>	AWG16S	Ex-stock	Heavy wall sleeve
1.50	3.50	1.00	<i>PT1.5X3.5</i>		MTO	Metric series tube
1.50	1.70	0.10	<b>UT15</b>		Ex-stock	Ultra thin wall (microbore)
1.58	1.80	0.15	<b>STW15</b>	AWG15L	Ex-stock	Light wall sleeve
1.58	2.10	0.30	<b>TW15</b>	AWG15T	Ex-stock	Standard wall sleeve
1.58	2.32	0.41	<b>HW15</b>	AWG15S	Ex-stock	Heavy wall sleeve
1.60	3.20	0.80	<b>PT1/16X1/8</b>		Ex-stock	Metric series tube
1.76	2.08	0.20	<b>STW14</b>	AWG14L	Ex-stock	Light wall sleeve
1.76	2.28	0.30	<b>TW14</b>	AWG14T	Ex-stock	Standard wall sleeve
1.76	2.50	0.41	<b>HW14</b>	AWG14S	Ex-stock	Heavy wall sleeve
1.96	2.33	0.20	<b>STW13</b>	AWG13L	Ex-stock	Light wall sleeve
1.96	2.53	0.30	<b>TW13</b>	AWG13T	Ex-stock	Standard wall sleeve
1.96	2.75	0.41	<b>HW13</b>	AWG13S	Ex-stock	Heavy wall sleeve
2.00	3.00	0.50	<b>PT2X3</b>		Ex-stock	Metric series tube
2.00	4.00	1.00	<b>PT2X4</b>		Ex-stock	Metric series tube
2.19	2.56	0.20	<b>STW12</b>	AWG12L	Ex-stock	Light wall sleeve
2.19	2.76	0.30	<b>TW12</b>	AWG12T	Ex-stock	Standard wall sleeve
2.19	2.98	0.41	<b>HW12</b>	AWG12S	Ex-stock	Heavy wall sleeve

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Nom. ID (mm)	Nom. OD (mm)	Wall (mm)	Adtech Part No	USA Ref.	Av.	Series Type
2.40	3.92	0.76	<b>PT3/32X5/32</b>		Ex-stock	Imperial series tube
2.44	2.81	0.20	<b>STW11</b>	AWG11L	Ex-stock	Light wall sleeve
2.44	3.01	0.30	<b>TW11</b>	AWG11T	Ex-stock	Standard wall sleeve
2.44	3.23	0.41	<b>HW11</b>	AWG11S	Ex-stock	Heavy wall sleeve
2.50	4.00	0.75	<b>PT2.5X4</b>		Ex-stock	Metric series tube
2.70	4.00	0.65	<b>PT2.7X4</b>		Ex-stock	Metric series tube
2.72	3.09	0.20	<b>STW10</b>	AWG10L	Ex-stock	Light wall sleeve
2.72	3.29	0.31	<b>TW10</b>	AWG10T	Ex-stock	Standard wall sleeve
2.72	3.51	0.41	<b>HW10</b>	AWG10S	Ex-stock	Heavy wall sleeve
3.00	4.00	0.50	<b>PT3X4</b>		Ex-stock	Metric series tube
3.00	4.50	0.75	<i>PT3X4.5</i>		MTO	Metric series tube
3.00	5.00	1.00	<b>PT3X5</b>		Ex-stock	Metric series tube
3.03	3.40	0.20	<b>STW09</b>	AWG09L	Ex-stock	Light wall sleeve
3.03	3.76	0.38	<b>TW09</b>	AWG09T	Ex-stock	Standard wall sleeve
3.03	4.02	0.51	<b>HW09</b>	AWG09S	Ex-stock	Heavy wall sleeve
3.20	4.72	0.76	<b>PT1/8X3/16</b>		Ex-stock	Imperial series tube
3.20	6.40	1.60	<b>PT1/8X1/4</b>		Ex-stock	Imperial series tube
3.43	3.78	0.20	<b>STW08</b>	AWG08L	Ex-stock	Light wall sleeve
3.43	4.14	0.38	<b>TW08</b>	AWG08T	Ex-stock	Standard wall sleeve
3.43	4.20	0.41	<b>HW08</b>	AWG08S	Ex-stock	Heavy wall sleeve
3.50	4.50	0.50	<i>PT3.5X4.5</i>		MTO	Metric series tube
3.50	5.00	0.75	<i>PT3.5X5</i>		MTO	Metric series tube
3.50	5.50	1.00	<i>PT3.5X5.5</i>		MTO	Metric series tube

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## Standard PTFE Tubing Sizes: 3.60mm to

Nom. ID (mm)	Nom. OD (mm)	Wall (mm)	Adtech Part No	USA Ref.	Av.	Series Type
3.80	4.26	0.25	<b>STW07</b>	AWG07L	Ex-stock	Light wall sleeve
3.80	4.52	0.38	<b>TW07</b>	AWG07T	Ex-stock	Standard wall sleeve
3.80	4.78	0.51	<b>HW07</b>	AWG07S	Ex-stock	Heavy wall sleeve
4.00	5.00	0.50	<b>PT4X5</b>		Ex-stock	Metric series tube
4.00	5.50	0.75	<i>PT4X5.5</i>		MTO	Metric series tube
4.00	6.00	1.00	<b>PT4X6</b>		Ex-stock	Metric series tube
4.32	4.72	0.25	<b>STW06</b>	AWG06L	Ex-stock	Light wall sleeve
4.32	4.98	0.38	<b>TW06</b>	AWG06T	Ex-stock	Standard wall sleeve
4.32	5.24	0.51	<b>HW06</b>	AWG06S	Ex-stock	Heavy wall sleeve
4.50	5.550	0.50	<i>PT4.5X5.5</i>		MTO	Metric series tube
4.50	6.50	1.00	<i>PT4.5X6.5</i>		MTO	Metric series tube
4.75	6.27	0.76	<b>PT3/16X1/4</b>		Ex-stock	Imperial series tube
4.83	5.22	0.25	<b>STW05</b>	AWG05L	Ex-stock	Light wall sleeve
4.83	5.48	0.38	<b>TW05</b>	AWG05T	Ex-stock	Standard wall sleeve
4.83	5.74	0.51	<b>HW05</b>	AWG05S	Ex-stock	Heavy wall sleeve
5.00	6.00	0.50	<b>PT5X6</b>		Ex-stock	Metric series tube
5.00	6.50	0.75	<i>PT5X6.5</i>		MTO	Metric series tube
5.00	7.00	1.00	<b>PT5X7</b>		Ex-stock	Metric series tube
5.44	5.78	0.25	<b>STW04</b>	AWG04L	Ex-stock	Light wall sleeve
5.44	6.04	0.38	<b>TW04</b>	AWG04T	Ex-stock	Standard wall sleeve
5.44	6.30	0.51	<b>HW04</b>	AWG04S	Ex-stock	Heavy wall sleeve
5.50	6.50	0.50	<i>PT5.5X6.5</i>		MTO	Metric series tube
5.50	7.50	1.00	<i>PT5.5X7.5</i>		MTO	Metric series tube
6.00	7.00	0.50	<b>PT6X7</b>		Ex-stock	Metric series tube
6.00	8.00	1.00	<b>PT6X8</b>		Ex-stock	Metric series tube
6.08	6.40	0.25	<b>STW03</b>	AWG03L	Ex-stock	Light wall sleeve
6.08	6.70	0.38	<b>TW03</b>	AWG03T	Ex-stock	Standard wall sleeve
6.08	6.96	0.51	<b>HW03</b>	AWG03S	Ex-stock	Heavy wall sleeve
6.35	7.87	0.76	<b>PT1/4X5/16</b>		Ex-stock	Imperial series tube
6.40	9.50	1.60	<b>PT1/4X3/8</b>		Ex-stock	Imperial series tube

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Nom. ID (mm)	Nom. OD	Wall (mm)	Adtech Part No	USA Ref.	Av.	Series Type
6.50	7.50	0.50	<i>PT6.5X7.5</i>		MTO	Metric series tube
6.50	8.00	0.75	<i>PT6.5X8</i>		MTO	Metric series tube
6.50	8.50	1.00	<i>PT6.5X8.5</i>		MTO	Metric series tube
6.80	7.18	0.25	<b>STW02</b>	AWG02L	Ex-stock	Light wall sleeve
6.80	7.44	0.38	<b>TW02</b>	AWG02T	Ex-stock	Standard wall sleeve
6.80	7.70	0.51	<b>HW02</b>	AWG02S	Ex-stock	Heavy wall sleeve
7.00	8.00	0.50	<i>PT7X8</i>		MTO	Metric series tube
7.00	8.50	0.75	<i>PT7X8.5</i>		MTO	Metric series tube
7.00	9.00	1.00	<b>PT7X9</b>		Ex-stock	Metric series tube
7.50	8.50	0.50	<i>PT7.5X8.5</i>		MTO	Metric series tube
7.50	9.00	0.75	<i>PT7.5X9</i>		MTO	Metric series tube
7.50	9.50	1.00	<i>PT7.5X9.5</i>		MTO	Metric series tube
7.62	7.97	0.25	<b>STW01</b>	AWG01L	MTO	Light wall sleeve
7.62	8.23	0.38	<b>TW01</b>	AWG01T	MTO	Standard wall sleeve
7.62	8.49	0.51	<b>HW01</b>	AWG01S	MTO	Heavy wall sleeve
7.90	9.42	0.76	<b>PT5/16X3/8</b>		Ex-stock	Imperial series tube

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## Standard PTFE Tubing Sizes: 8mm to 25mm ID

Nom. ID (mm)	Nom. OD	Wall (mm)	Adtech Part No	USA Ref.	Av.	Series Type
8.00	9.00	0.50	<i>PT8X9</i>		MTO	Metric series tube
8.00	9.50	0.75	<i>PT8X9.5</i>		MTO	Metric series tube
8.00	10.00	1.00	<b>PT8X10</b>		Ex-stock	Metric series tube
8.50	8.98	0.30	<i>STW00</i>	AWG00L	MTO	Light wall sleeve
8.50	9.14	0.38	<i>TW00</i>	AWG00T	MTO	Standard wall sleeve
8.50	9.40	0.50	<i>HW00</i>	AWG00S	MTO	Heavy wall sleeve
8.50	9.50	0.50	<i>PT8.5X9.5</i>		MTO	Metric series tube
8.50	10.50	1.00	<i>PT8.5X10.50</i>		MTO	Metric series tube
9.00	10.00	0.50	<i>PT9X10</i>		MTO	Metric series tube
9.00	10.50	0.75	<i>PT9X10.5</i>		MTO	Metric series tube
9.00	11.00	1.00	<i>PT9X11</i>		MTO	Metric series tube
9.50	11.00	0.76	<i>PT9.5X11</i>		MTO	Imperial series tube
9.50	11.02	0.76	<i>PT3/8X7/16</i>		MTO	Imperial series tube
9.50	11.50	1.00	<b>PT3/8X1/2</b>		Ex-stock	Imperial series tube
10.00	11.00	0.50	<b>PT10X11</b>		Ex-stock	Metric series tube
10.00	11.50	0.75	<i>PT10X11.5</i>		MTO	Metric series tube
10.00	12.00	1.00	<b>PT10X12</b>		Ex-stock	Metric series tube
11.00	12.50	0.75	<i>PT11X12.5</i>		MTO	Metric series tube
11.00	1.00	1.00	<i>PT11X13</i>		MTO	Metric series tube
11.10	12.62	0.76	<b>PT7/16X1/2</b>		Ex-stock	Imperial series tube
12.00	14.00	1.00	<b>PT12X14</b>		Ex-stock	Metric series tube
12.70	14.22	0.76	<i>PT1/2X9/16</i>		MTO	Metric series tube
12.70	15.80	1.60	<b>PT1/2X5/8</b>		Ex-stock	Metric series tube
13.00	15.00	1.00	<i>PT13X15</i>		MTO	Metric series tube
14.00	16.00	1.00	<b>PT14X16</b>		Ex-stock	Metric series tube
15.00	16.50	0.75	<i>PT15X16.5</i>		MTO	Metric series tube
15.00	17.00	1.00	<i>PT15X17</i>		MTO	Metric series tube
15.80	19.05	1.60	<b>PT5/8X3/4</b>		Ex-stock	Imperial series tube
16.00	17.50	0.75	<i>PT16X17.5</i>		MTO	Metric series tube
16.00	18.00	1.00	<i>PT16X18</i>		MTO	Metric series tube

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Nom. ID (mm)	Nom. OD (mm)	Wall (mm)	Adtech Part No	USA Ref.	Av.	Series Type
16.00	19.00	1.50	PT16X19		MTO	Metric series tube
18.00	21.00	1.50	PT18X21.00		MTO	Metric series tube
19.00	22.00	1.50	PT19X22		MTO	Metric series tube
19.00	22.20	1.60	PT3/4X7/8		MTO	Imperial series tube
20.00	23.00	1.50	PT20X23		MTO	Metric series tube
22.00	25.00	1.50	PT22X25		MTO	Metric series tube
22.20	25.40	1.60	PT7/8X1		MTO	Metric series tube
25.00	28.00	1.60	PT25X28		MTO	Metric series tube

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