



# 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 25mm 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](https://www.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 ID

Nom. ID (mm)	Nom. OD (mm)	Wall (mm)	Adtech Part No	USA Ref.	Series Type
0.20	0.40	0.10	<b>UT2</b>		Ultra thin wall (microbore)
0.30	0.50	0.10	<b>UT3</b>		Ultra thin wall (microbore)
0.32	0.60	0.15	<b>STW30</b>	AWG30L	Light wall sleeve
0.32	0.76	0.23	<b>TW30</b>	AWG30T	Standard wall sleeve
0.32	0.76	0.23	<b>HW30</b>	AWG30S	Heavy wall sleeve
0.40	0.68	0.15	<b>STW28</b>	AWG28L	Light wall sleeve
0.40	0.84	0.23	<b>TW28</b>	AWG28T	Standard wall sleeve
0.40	0.84	0.23	<b>HW28</b>	AWG28S	Heavy wall sleeve
0.40	0.60	0.10	<b>UT4</b>		Ultra thin wall (microbore)
0.47	0.76	0.15	<b>STW26</b>	AWG26L	Light wall sleeve
0.47	0.92	0.23	<b>TW26</b>	AWG26T	Standard wall sleeve
0.47	0.92	0.23	<b>HW26</b>	AWG26S	Heavy wall sleeve
0.50	0.70	0.10	<b>UT5</b>		Ultra thin wall (microbore)
0.59	0.86	0.15	<b>STW24</b>	AWG24L	Light wall sleeve
0.59	1.06	0.25	<b>TW24</b>	AWG24T	Standard wall sleeve
0.59	1.16	0.30	<b>HW24</b>	AWG24S	Heavy wall sleeve
0.60	0.80	0.10	<b>UT6</b>		Ultra thin wall (microbore)
0.70	0.90	0.10	<b>UT7</b>		Ultra thin wall (microbore)
0.73	1.01	0.15	<b>STW22</b>	AWG22L	Light wall sleeve
0.73	1.21	0.25	<b>TW22</b>	AWG22T	Standard wall sleeve
0.73	1.31	0.30	<b>HW22</b>	AWG22S	Heavy wall sleeve
0.79	2.31	0.76	<b>PT1/32x3/32</b>		Imperial light wall
0.80	1.00	0.10	<b>UT8</b>		Ultra thin wall (microbore)
0.80	1.60	0.40	<b>PT1/32x1/16</b>		Imperial light wall
0.82	1.11	0.15	STW21	AWG21L	Light wall sleeve
0.82	1.31	0.25	TW21	AWG21T	Standard wall sleeve
0.82	1.41	0.30	HW21	AWG21S	Heavy wall sleeve
0.90	1.10	0.10	<b>UT9</b>		Ultra thin wall (microbore)
0.91	1.16	0.15	<b>STW20</b>	AWG20L	Light wall sleeve
0.91	1.46	0.30	<b>TW20</b>	AWG20T	Standard wall sleeve
0.91	1.68	0.41	<b>HW20</b>	AWG20S	Heavy wall sleeve

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## Standard PTFE Tubing Sizes: 1.00mm to 3.50mm

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

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

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## Standard PTFE Tubing Sizes: 3.60mm to 7.90mm

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

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

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

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

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

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