



## PTFE2T - Teflon®

### 2:1 SHRINK RATIO, POLYTETRAFLUOROETHYLENE TUBING THIN WALL

#### Applications

PTFE2T is a thin wall, flame retardant heat shrinkable polytetrafluoroethylene tube. It is designed for a wide range of applications requiring high heat-resistance.

#### Features

- ★ Shrink ratio: 2:1 shrink ratio in the radial direction,  $\pm 20\%$  in the axial direction
- ★ Continuous operating temperature: -75 °C to +260 °C (-103 °F to +500 °F)
- ★ Highly heat-resistant
- ★ High resistance to chemicals and oils

#### Standards

- ★ Declared Dimension Life (DDL) - 12 years
- ★ Meets V-0 Flammability
- ★ RoHS & REACH Compliant

#### Specification Values

| Property   |                             | Test Method | Value                            |
|------------|-----------------------------|-------------|----------------------------------|
| Physical   | Specific Gravity (Max.)     | ASTM D792   | 2.20                             |
|            | Elongation (Min.)           | ASTM D638   | 200%                             |
|            | Tensile Strength (Min.)     | ASTM D638   | 2500 psi                         |
|            | Hardness Durometer          | ASTM D2240  | D-60                             |
| Electrical | Dielectric Strength         | ASTM D149   | 1400 Volts/mil                   |
|            | Volume Resistivity (Min.)   | ASTM D257   | $10^{18} \Omega \cdot \text{cm}$ |
| General    | Chemical/Solvent Resistance | -           | Excellent                        |
|            | Water Absorption (Max.)     | ASTM D570   | 0.01                             |
|            | Flammability Rating         | UL 94       | V-0                              |

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**Dunbar Products, LLC**  
Tubing and Identification Products

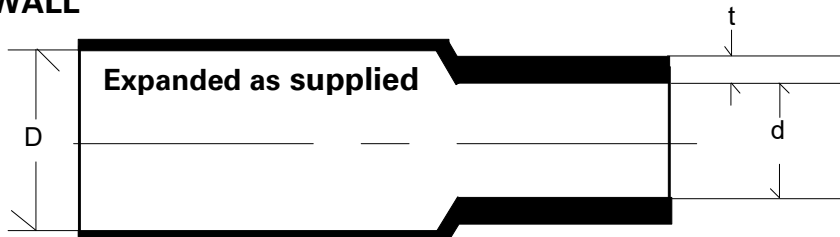


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THIN WALL



Fully recovered after heating

### Product Dimensions

Minimum Shrink Temperature: 327 °C

| Size       | Expanded                              |       | Recovered                             |       |                                    |             |
|------------|---------------------------------------|-------|---------------------------------------|-------|------------------------------------|-------------|
|            | Internal Diameter<br>(Minimum)<br>(D) |       | Internal Diameter<br>(Maximum)<br>(d) |       | Wall Thickness<br>(Nominal)<br>(t) |             |
|            | in                                    | mm    | in                                    | mm    | in                                 | mm          |
| AWG        |                                       |       |                                       |       |                                    |             |
| 30         | .034                                  | .864  | .015                                  | .381  | .009 ± .002                        | .229 ± .051 |
| 28         | .038                                  | .965  | .018                                  | .457  | .009 ± .002                        | .229 ± .051 |
| 26         | .046                                  | 1.17  | .022                                  | .559  | .010 ± .003                        | .254 ± .076 |
| 24         | .050                                  | 1.27  | .027                                  | .686  | .010 ± .003                        | .254 ± .076 |
| 22         | .055                                  | 1.40  | .032                                  | .813  | .012 ± .003                        | .305 ± .076 |
| 20         | .060                                  | 1.53  | .039                                  | .991  | .012 ± .003                        | .305 ± .076 |
| 19         | .065                                  | 1.65  | .043                                  | 1.09  | .012 ± .003                        | .305 ± .076 |
| 18         | .076                                  | 1.93  | .049                                  | 1.25  | .012 ± .003                        | .305 ± .076 |
| 17         | .085                                  | 2.16  | .054                                  | 1.37  | .012 ± .003                        | .305 ± .076 |
| 16         | .093                                  | 2.36  | .061                                  | 1.55  | .012 ± .003                        | .305 ± .076 |
| 15         | .110                                  | 2.79  | .067                                  | 1.70  | .012 ± .003                        | .305 ± .076 |
| 14         | .120                                  | 3.05  | .072                                  | 1.83  | .012 ± .003                        | .305 ± .076 |
| 13         | .140                                  | 3.56  | .080                                  | 2.03  | .012 ± .003                        | .305 ± .076 |
| 12         | .150                                  | 3.81  | .089                                  | 2.26  | .012 ± .003                        | .305 ± .076 |
| 11         | .170                                  | 4.32  | .101                                  | 2.57  | .012 ± .003                        | .305 ± .076 |
| 10         | .191                                  | 4.85  | .112                                  | 2.85  | .012 ± .003                        | .305 ± .076 |
| 9          | .205                                  | 5.21  | .124                                  | 3.15  | .015 ± .004                        | .381 ± .102 |
| 8          | .240                                  | 6.10  | .141                                  | 3.58  | .015 ± .004                        | .381 ± .102 |
| 7          | .270                                  | 6.86  | .158                                  | 4.01  | .015 ± .004                        | .381 ± .102 |
| 6          | .302                                  | 7.67  | .178                                  | 4.52  | .015 ± .004                        | .381 ± .102 |
| 5          | .320                                  | 8.13  | .198                                  | 5.03  | .015 ± .004                        | .381 ± .102 |
| 4          | .370                                  | 9.40  | .224                                  | 5.69  | .015 ± .004                        | .381 ± .102 |
| 3          | .390                                  | 9.91  | .249                                  | 6.32  | .015 ± .004                        | .381 ± .102 |
| 2          | .430                                  | 10.92 | .278                                  | 7.06  | .015 ± .004                        | .381 ± .102 |
| 1          | .450                                  | 11.43 | .311                                  | 7.90  | .015 ± .004                        | .381 ± .102 |
| 0          | .470                                  | 11.94 | .347                                  | 8.81  | .015 ± .004                        | .381 ± .102 |
| Fractional |                                       |       |                                       |       |                                    |             |
| 1/8"       | .215                                  | 5.46  | .130                                  | 3.30  | .015 ± .003                        | .381 ± .076 |
| 1/4"       | .410                                  | 10.41 | .260                                  | 6.60  | .015 ± .004                        | .381 ± .102 |
| 5/16"      | .470                                  | 11.94 | .329                                  | 8.36  | .015 ± .004                        | .381 ± .102 |
| 3/8"       | .560                                  | 14.22 | .399                                  | 10.13 | .015 ± .003                        | .381 ± .076 |
| 7/16"      | .655                                  | 16.64 | .462                                  | 11.73 | .018 ± .004                        | .457 ± .102 |
| 1/2"       | .750                                  | 19.05 | .524                                  | 13.31 | .018 ± .004                        | .457 ± .102 |
| 5/8"       | .930                                  | 23.62 | .655                                  | 16.64 | .020 ± .004                        | .508 ± .102 |
| 3/4"       | 1.125                                 | 28.58 | .786                                  | 19.96 | .025 ± .005                        | .635 ± .127 |
| 7/8"       | 1.310                                 | 33.27 | .911                                  | 23.14 | .030 ± .006                        | .762 ± .152 |
| 1"         | 1.500                                 | 38.10 | 1.036                                 | 26.31 | .030 ± .006                        | .762 ± .152 |

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