



# PTFE0T

## NON-SHRINK, POLYTETRAFLUOROETHYLENE TUBING THIN WALL (AWG Spaghetti sized tubing)

### Applications

PTFE0T is a non-shrink, flame retardant heat shrinkable polytetrafluoroethylene tube. It is designed for a wide range of applications requiring high heat-resistance.

### Features

- ★ In stock for immediate shipments
- ★ Continuous operating temperature: - 75°C to 260°C
- ★ Flammability: UL VW-1
- ★ Highly heat-resistant
- ★ High resistance to chemicals and oils

### Standard

- ★ UL 224 (File Number: E103313)
- ★ RoHS Compliant

### Specification Values

|            | Property                    | Test Method | Value                    |
|------------|-----------------------------|-------------|--------------------------|
| Physical   | Specific Gravity            | ASTM D792   | 2.13-2.0                 |
|            | Elongation                  | ASTM D638   | 200-450%                 |
|            | Tensile Strength            | ASTM D638   | 2000-4500 psi            |
|            | Flexural Strength           | ASTM D790   | No break                 |
|            | Compressive Strength        | ASTM D695   | 3500 psi                 |
|            | Flexural Modulus            | ASTM D790   | 71000-85000 psi          |
|            | Hardness Durometer          | ASTM D636   | D-50-65                  |
|            | Abrasion Resistance         | Taber       | 12 (1000 revs)           |
| Electrical | Dielectric Strength         | ASTM D149   | 500 (125 MIL)            |
|            |                             | ASTM D149   | ≥1400 (10 MIL)           |
|            | Volume Resistivity          | ASTM D257   | >10 <sup>18</sup> Ω - cm |
|            | Surface Resistivity         | ASTM D257   | >10 <sup>17</sup> Ω - cm |
| General    | Chemical/Solvent Resistance | ASTM D543   | No corrosion             |
|            | Water Absorption            | ASTM D570   | <0.01                    |
|            | Deformation Under Load      | ASTM D621   | No growth                |
|            | Flammability Rating         | UL 94       | VO                       |

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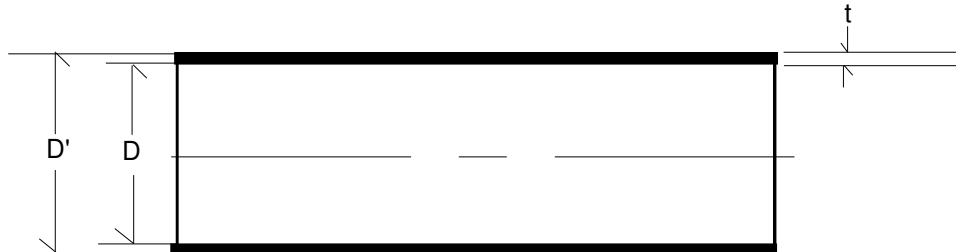
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NON-SHRINK, POLYTETRAFLUOROETHYLENE TUBING  
THIN WALL (AWG Spaghetti sized tubing)



## Product Dimensions

| AWG Size | Inside Diameter           |      |                          |      |                          |             |
|----------|---------------------------|------|--------------------------|------|--------------------------|-------------|
|          | Internal Diameter In. (D) |      | Internal Diameter mm (D) |      | Total Wall Thickness (t) |             |
|          | min                       | max  | min                      | max  | In.                      | mm          |
| 30       | .010                      | .015 | .25                      | .38  | .009 ± .002              | .229 ± .051 |
| 28       | .013                      | .018 | .33                      | .48  | .009 ± .002              | .229 ± .051 |
| 26       | .016                      | .021 | .41                      | .53  | .009 ± .002              | .229 ± .051 |
| 24       | .020                      | .026 | .51                      | .66  | .010 ± .002              | .254 ± .051 |
| 23       | .023                      | .029 | .58                      | .74  | .010 ± .002              | .254 ± .051 |
| 22       | .026                      | .032 | .66                      | .81  | .010 ± .002              | .254 ± .051 |
| 21       | .029                      | .035 | .74                      | .89  | .012 ± .002              | .305 ± .051 |
| 20       | .032                      | .040 | .81                      | .97  | .012 ± .002              | .305 ± .076 |
| 19       | .036                      | .042 | .91                      | 1.06 | .012 ± .002              | .305 ± .076 |
| 18       | .040                      | .046 | 1.02                     | 1.17 | .012 ± .002              | .305 ± .076 |
| 17       | .045                      | .052 | 1.14                     | 1.32 | .012 ± .002              | .305 ± .076 |
| 16       | .051                      | .058 | 1.30                     | 1.47 | .012 ± .002              | .305 ± .076 |
| 15       | .057                      | .065 | 1.45                     | 1.65 | .012 ± .002              | .305 ± .076 |
| 14       | .064                      | .072 | 1.63                     | 1.83 | .012 ± .002              | .305 ± .076 |
| 13       | .072                      | .081 | 1.83                     | 2.06 | .012 ± .002              | .305 ± .076 |
| 12       | .081                      | .091 | 2.08                     | 2.31 | .012 ± .002              | .305 ± .076 |
| 11       | .091                      | .101 | 2.31                     | 2.57 | .012 ± .002              | .305 ± .076 |
| 10       | .102                      | .112 | 2.59                     | 2.84 | .012 ± .002              | .305 ± .076 |
| 9        | .114                      | .124 | 2.90                     | 3.15 | .015 ± .003              | .381 ± .076 |
| 8        | .129                      | .139 | 3.28                     | 3.53 | .015 ± .003              | .381 ± .076 |
| 7        | .144                      | .155 | 3.68                     | 3.94 | .015 ± .003              | .381 ± .076 |
| 6        | .162                      | .174 | 4.11                     | 4.42 | .015 ± .003              | .381 ± .076 |
| 5        | .182                      | .195 | 4.62                     | 4.95 | .015 ± .003              | .381 ± .076 |
| 4        | .224                      | .218 | 5.18                     | 5.54 | .015 ± .003              | .381 ± .076 |
| 3        | .229                      | .244 | 5.82                     | 6.19 | .015 ± .003              | .381 ± .076 |
| 2        | .258                      | .273 | 6.55                     | 6.93 | .015 ± .003              | .381 ± .076 |
| 1        | .289                      | .305 | 7.34                     | 7.75 | .015 ± .003              | .381 ± .076 |
| 0        | .325                      | .342 | 8.26                     | 8.69 | .015 ± .003              | .381 ± .076 |

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