



## PTFE0H - Teflon®

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

### Applications

PTFE0H is a heavy wall non-shrink, flame retardant polytetrafluoroethylene tube. It is designed for a wide range of applications requiring high heat-resistance.

### Features

- ★ 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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### Product Dimensions

| AWG<br>Size | Inside Diameter                |      |                                |      |                                    |             |
|-------------|--------------------------------|------|--------------------------------|------|------------------------------------|-------------|
|             | Internal Diameter<br>in<br>(D) |      | Internal Diameter<br>mm<br>(D) |      | Wall Thickness<br>(Nominal)<br>(t) |             |
|             | Min                            | Max  | Min                            | Max  | in                                 | mm          |
| 24          | .020                           | .026 | .510                           | .670 | .016 ± .003                        | .406 ± .076 |
| 23          | .023                           | .029 | .584                           | .740 | .016 ± .003                        | .406 ± .076 |
| 22          | .025                           | .032 | .640                           | .810 | .016 ± .003                        | .406 ± .076 |
| 21          | .029                           | .035 | .740                           | .890 | .018 ± .003                        | .457 ± .076 |
| 20          | .032                           | .040 | .813                           | 1.02 | .018 ± .003                        | .457 ± .076 |
| 19          | .036                           | .044 | .914                           | 1.12 | .020 ± .004                        | .508 ± .102 |
| 18          | .040                           | .049 | 1.02                           | 1.25 | .020 ± .004                        | .508 ± .102 |
| 17          | .045                           | .054 | 1.14                           | 1.37 | .020 ± .004                        | .508 ± .102 |
| 16          | .051                           | .061 | 1.30                           | 1.55 | .020 ± .004                        | .508 ± .102 |
| 15          | .057                           | .067 | 1.45                           | 1.70 | .020 ± .004                        | .508 ± .102 |
| 14          | .064                           | .074 | 1.63                           | 1.88 | .020 ± .004                        | .508 ± .102 |
| 13          | .072                           | .082 | 1.83                           | 2.08 | .020 ± .004                        | .508 ± .102 |
| 12          | .081                           | .091 | 2.06                           | 2.31 | .020 ± .004                        | .508 ± .102 |
| 11          | .091                           | .101 | 2.31                           | 2.57 | .020 ± .004                        | .508 ± .102 |
| 10          | .102                           | .112 | 2.59                           | 2.85 | .025 ± .005                        | .635 ± .127 |
| 9           | .114                           | .124 | 2.90                           | 3.15 | .025 ± .005                        | .635 ± .127 |
| 8           | .129                           | .141 | 3.28                           | 3.58 | .030 ± .005                        | .762 ± .127 |
| 7           | .144                           | .158 | 3.66                           | 4.01 | .030 ± .005                        | .762 ± .127 |
| 6           | .162                           | .178 | 4.11                           | 4.52 | .030 ± .005                        | .762 ± .127 |
| 5           | .182                           | .198 | 4.62                           | 5.03 | .032 ± .005                        | .813 ± .127 |

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