



PTFE2T

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

- ★ In stock for immediate shipments
- ★ Shrink ratio: 50% shrink ratio in the radial direction, $\pm 20\%$ in the axial direction
- ★ Continuous operating temperature: - 75°C to 260°C
- ★ Highly heat-resistance
- ★ High resistance to chemicals and oils

Standard

- ★ MIL-DTL-23053/12 Class 3
- ★ RoHS Compliant

Specification Values

| | Property | Test Method | Value |
|------------|-----------------------------|-------------|--------------------------------|
| Physical | Specific Gravity | ASTM D792 | 2.13-2.0 grams/cm ³ |
| | 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 | $>10^{18}\Omega$ - cm |
| | Surface Resistivity | ASTM D257 | $>10^{17}\Omega$ - 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 | V -0 |

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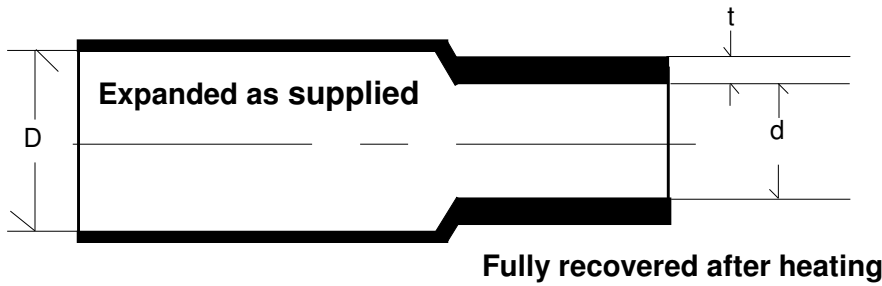
Dunbar Products, LLC
Tubing and Identification Products

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THIN WALL



Product Dimensions

Minimum Shrink Temperature: 327 °C

| Size | Expanded | | Recovered | | | | 23053/12 |
|------------------------|------------------------------|-------|------------------------------|-------|--------------------------|--------------|----------|
| | Internal Diameter (min.) (D) | | Internal Diameter (max.) (d) | | Total Wall Thickness (t) | | |
| AWG Size | In. | mm | In. | mm | In. | mm | Class 3 |
| 30 | .034 | .86 | .015 | .381 | .009 ± .002 | .229 ± .051 | 301 |
| 28 | .038 | .97 | .018 | .457 | .009 ± .002 | .229 ± .051 | 302 |
| 26 | .046 | 1.17 | .022 | .559 | .010 ± .003 | .254 ± .051 | 303 |
| 24 | .050 | 1.27 | .027 | .686 | .010 ± .002 | .254 ± .051 | 304 |
| 22 | .055 | 1.40 | .032 | .813 | .012 ± .003 | .305/ ± .076 | 305 |
| 20 | .060 | 1.53 | .039 | .991 | .012 ± .003 | .305/ ± .076 | 306 |
| 19 | .065 | 1.65 | .043 | 1.09 | .012 ± .003 | .305/ ± .076 | 307 |
| 18 | .076 | 1.93 | .049 | 1.25 | .012 ± .003 | .305/ ± .076 | 308 |
| 17 | .085 | 2.16 | .054 | 1.37 | .012 ± .003 | .305/ ± .076 | 309 |
| 16 | .093 | 2.36 | .061 | 1.55 | .012 ± .003 | .305/ ± .076 | 310 |
| 15 | .110 | 2.79 | .067 | 1.70 | .012 ± .003 | .305/ ± .076 | 311 |
| 14 | .120 | 3.05 | .072 | 1.83 | .012 ± .003 | .305/ ± .076 | 312 |
| 13 | .140 | 3.56 | .080 | 2.03 | .012 ± .003 | .305/ ± .076 | 313 |
| 12 | .150 | 3.81 | .089 | 2.26 | .012 ± .003 | .305/ ± .076 | 314 |
| 11 | .170 | 4.32 | .101 | 2.57 | .012 ± .003 | .305/ ± .076 | 316 |
| 10 | .191 | 4.85 | .112 | 2.85 | .012 ± .003 | .305/ ± .076 | 317 |
| 9 | .205 | 5.21 | .124 | 3.15 | .015 ± .004 | .381 ± .102 | 318 |
| 8 | .240 | 6.10 | .141 | 3.58 | .015 ± .004 | .381 ± .102 | 320 |
| 7 | .270 | 6.86 | .158 | 4.01 | .015 ± .004 | .381 ± .102 | 321 |
| 6 | .302 | 7.67 | .178 | 4.52 | .015 ± .004 | .381 ± .102 | 322 |
| 5 | .320 | 8.13 | .198 | 5.03 | .015 ± .004 | .381 ± .102 | 323 |
| 4 | .370 | 9.40 | .224 | 5.69 | .015 ± .004 | .381 ± .102 | 324 |
| 3 | .390 | 9.91 | .249 | 6.32 | .015 ± .004 | .381 ± .102 | 325 |
| 2 | .430 | 10.92 | .278 | 7.06 | .015 ± .004 | .381 ± .102 | 327 |
| 1 | .450 | 11.43 | .311 | 7.90 | .015 ± .004 | .381 ± .102 | 328 |
| 0 | .470 | 11.94 | .347 | 8.81 | .015 ± .004 | .381 ± .102 | 330 |
| Fractional Size | | | | | | | |
| 1/8" | .215 | 5.46 | .130 | 3.30 | .015 ± .003 | .381 ± .076 | 319 |
| 1/4" | .410 | 10.41 | .260 | 6.60 | .015 ± .004 | .381 ± .102 | 326 |
| 5/16" | .470 | 11.94 | .329 | 8.36 | .015 ± .004 | .381 ± .102 | 329 |
| 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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