



PTFE4

4:1 SHRINK RATIO, POLYTETRAFLUOROETHYLENE TUBING

Applications

PTFE4 is a 4:1, 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: 4:1 shrink ratio in the radial direction, ± 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 5
- ★ 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 ¹⁸ Ω - cm |
| | Surface Resistivity | ASTM D257 | >10 ¹⁷ 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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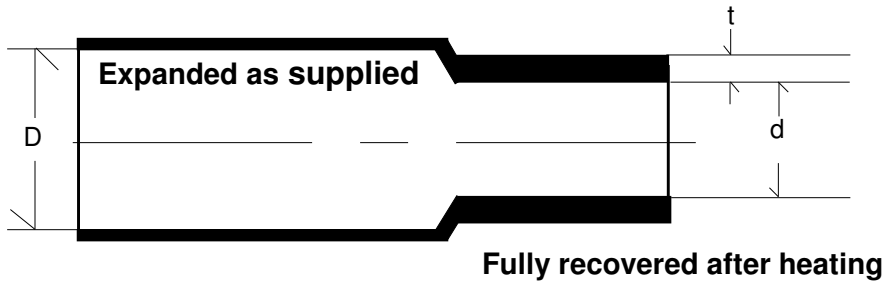
Dunbar Products, LLC
Tubing and Identification Products

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Product Dimensions

Minimum Shrink Temperature: 327 °C

| Size | Expanded | | Recovered | | | | 23053/12 |
|--------|------------------------------|-------|------------------------------|------|--------------------------|-------------|----------|
| | Internal Diameter (min.) (D) | | Internal Diameter (max.) (d) | | Total Wall Thickness (t) | | |
| | In. | mm | In. | mm | In. | mm | Class 5 |
| 5/64" | .078 | 1.98 | .025 | .635 | .009 ± .002 | .229 ± .051 | 501 |
| 1/8" | .125 | 3.18 | .037 | .940 | .012 ± .002 | .305 ± .051 | 502 |
| 3/16" | .187 | 4.77 | .050 | 1.27 | .012 ± .002 | .305 ± .051 | 503 |
| 1/4" | .250 | 6.35 | .063 | 1.60 | .012 ± .002 | .305 ± .051 | 504 |
| 5/16" | .312 | 7.95 | .078 | 1.98 | .012 ± .002 | .305 ± .051 | 505 |
| 3/8" | .375 | 9.53 | .096 | 2.44 | .012 ± .002 | .305 ± .051 | 506 |
| 7/16" | .438 | 11.13 | .112 | 2.84 | .012 ± .002 | .305 ± .051 | 507 |
| 1/2" | .500 | 12.70 | .144 | 3.66 | .015 ± .004 | .381 ± .102 | 508 |
| 5/8" | .625 | 15.88 | .178 | 4.52 | .015 ± .004 | .381 ± .102 | 510 |
| 3/4" | .750 | 19.05 | .224 | 5.69 | .015 ± .004 | .381 ± .102 | 512 |
| 7/8" | .875 | 22.23 | .244 | 6.20 | .015 ± .004 | .381 ± .102 | 513 |
| 1" | 1.00 | 25.40 | .278 | 7.06 | .015 ± .004 | .381 ± .102 | 514 |
| 1-1/4" | 1.25 | 31.75 | .347 | 8.81 | .015 ± .004 | .381 ± .102 | 515 |

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