

DUNBAR – 1625W

2:1 SHRINK RATIO, DUAL-WALL, FLEXIBLE, POLYOLEFIN TUBING

Applications

DUNBAR-1625W is designed for general purpose applications such as the insulation and strain relief of electrical connections and terminations, light-duty harnessing, jacketing and bundling. The adhesive lining forms an environmental seal that helps protect against moisture.

Features

- ★ Shrink ratio: 50% or more in the radial direction, 5% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: - 55°C (-67°F) to 110°C (230°F)
- ★ Flammability: UL VW-1 (Jacket only except clear)
- ★ Excellent electrical properties

Standard

- ★ AMS-DTL-23053/4 Class 2 (Formerly MIL-DTL-23053/4 Class 2)
- ★ UL 224 (File Number: E319314)
- ★ RoHS Compliant

Specification Values

| Property | | Test Method | Value | |
|-----------------|----------------------|---------------------|-------------|--|
| Physical | Unaged | Tensile strength | ASTM D638 | Min. 1500 psi |
| | | Elongation | | Min. 200% |
| | Fluid Resist. | Tensile strength | ASTM D638 | Min. 1000 psi |
| | | Dielectric strength | ASTM D2671 | Min. 400 Volts/mil |
| | Heat shock | | 250°C/4 hrs | No cracks, flowing, or dripping |
| | Low temperature flex | | ASTM D746 | No crack @-55°C |
| | Secant Modulus | | ASTM D882 | Max. 25,000 psi |
| Heat Resistance | | ASTM D2671 | No cracks | |
| Electrical | Dielectric strength | | ASTM D2671 | Min. 500 Volts/mil |
| | Volume resistivity | | ASTM D876 | Min. $1 \times 10^{12} \Omega \cdot \text{cm}$ |
| Chemical | Copper corrosion | | 121°C/16hrs | No corrosion |
| | Fungus resistance | | ASTM G21 | No growth |
| | Water Absorption | | ASTM D570 | Max. 0.5% |
| | Flammability | | ASTM D2671 | Pass |

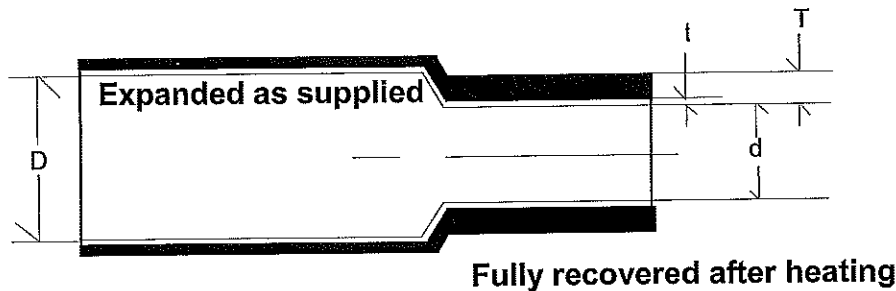
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Heat Shrinkable Tubing

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Product Dimensions

Minimum Shrink Temperature: 120°C

| Size | Expanded | | Recovered | | | | | |
|-----------|-------------------------------|------|-------------------------------|------|---|------|--|------|
| | Internal Diameter Minimum (D) | | Internal Diameter Maximum (d) | | Minimum Total Wall Thickness (Total Wall) (T) | | Nominal Wall Thickness (Adhesive Wall) (t) | |
| Inch Size | In. | mm | In. | mm | In. | mm | In. | mm |
| 1/8" | 0.125 | 3.2 | 0.062 | 1.57 | 0.017 | 0.43 | 0.008 | 0.20 |
| 3/16" | 0.187 | 4.7 | 0.093 | 2.36 | 0.017 | 0.43 | 0.008 | 0.20 |
| 1/4" | 0.250 | 6.4 | 0.125 | 3.18 | 0.022 | 0.56 | 0.008 | 0.20 |
| 3/8" | 0.375 | 9.5 | 0.187 | 4.75 | 0.022 | 0.56 | 0.012 | 0.30 |
| 1/2" | 0.500 | 12.7 | 0.250 | 6.35 | 0.022 | 0.56 | 0.012 | 0.30 |
| 3/4" | 0.750 | 19.1 | 0.375 | 9.53 | 0.027 | 0.69 | 0.012 | 0.30 |
| 1" | 1.000 | 25.4 | 0.500 | 12.7 | 0.030 | 0.76 | 0.012 | 0.30 |
| 1-1/2" | 1.500 | 38.1 | 0.750 | 19.1 | 0.034 | 0.86 | 0.012 | 0.30 |

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Dunbar Products, LLC
Tubing and Identification Products

P.O. Box 112218, Carrollton, Texas 75011-2218
Tel: (469) 568-0800
Fax: (469) 568-0808