



DUNBAR – 4635WT

4:1 SHRINK RATIO, FLEXIBLE, DUAL-WALL, POLYOLEFIN TUBING

Applications

DUNBAR-4635WT is a very flexible, high shrink ratio, heat resistant, heat shrinkable polyolefin tube with an adhesive lining, which flows when heated. It may be used to seal and protect a wide variety of electrical applications, including wire splices, breakouts, and connectors-to-cable transitions.

Features

- ★ Shrink ratio: 75% or more in the radial direction, 15% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Operating temperature: -30°C (-22°F) to 135°C (275°F)
- ★ Flammability: Flame retardant (Jacket only)
- ★ Excellent electrical properties
- ★ High resistance to abrasion, chemicals and oils

Standards

- ★ UL 224: 125°C, 600V (File Number: E319314, except clear)
- ★ Declared Dimensional Life (DDL) – 10 Years
- ★ RoHS & REACH Compliant

Specification Values

| Property | | Test Method | Value |
|----------------|----------------------|---------------------|-------------------------------------|
| Physical | Unaged | Tensile strength | Min. 1300 psi |
| | | Elongation | Min. 250% |
| | Fluid Resist. | Tensile strength | Min. 900 psi |
| | | Dielectric strength | Min. 200 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 882 | Max. 25,000 psi | |
| Electrical | Dielectric strength | ASTM D2671 | Min. 300 Volts/mil |
| | Volume resistivity | ASTM D876 | Min. $1 \times 10^{12} \Omega$ - cm |
| Chemical | Copper corrosion | 121°C/16hrs | No corrosion |
| | Fungus resistance | ASTM G21 | No growth |
| | Water Absorption | ASTM D570 | Max. 1.0% |
| | Flammability | ASTM D2671 | Pass |

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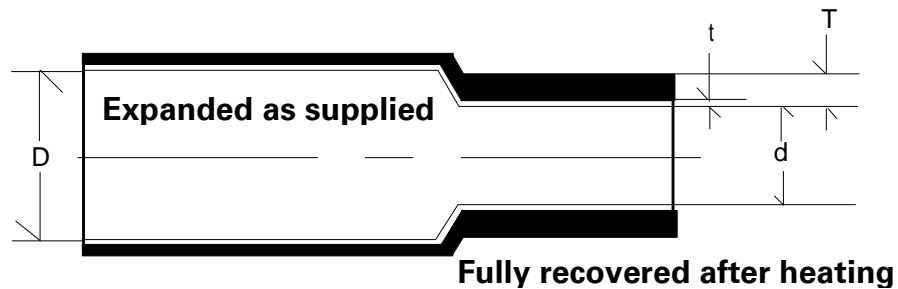
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Tubing and Identification Products

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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) | | Minimum Wall Thickness (Adhesive Wall) (t) | |
| | In. | mm | In. | mm | In. | mm | In. | mm |
| 3/16 | 0.158 | 4 | 0.039 | 1.0 | 0.035 | 0.90 | 0.020 | 0.50 |
| 5/16 | 0.315 | 8 | 0.079 | 2.0 | 0.035 | 0.90 | 0.020 | 0.50 |
| 1/2 | 0.472 | 12 | 0.118 | 3.0 | 0.051 | 1.30 | 0.024 | 0.60 |
| 3/4 | 0.630 | 16 | 0.157 | 4.0 | 0.063 | 1.60 | 0.030 | 0.76 |
| 1 | 0.945 | 24 | 0.236 | 6.0 | 0.083 | 2.10 | 0.031 | 0.79 |
| 1-1/4 | 1.260 | 32 | 0.315 | 8.0 | 0.090 | 2.30 | 0.041 | 0.90 |
| 2 | 2.047 | 52 | 0.512 | 13.0 | 0.098 | 2.50 | 0.041 | 0.90 |

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