



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. Adhesive lining forms an environmental seal that helps protect against moisture.

Features

- ★ Shrink ratio: 50% or more in the radial direction
- ★ Operating temperature: - 55°C to 125°C
- ★ Flammability: UL VW-1(Jacket only)
- ★ Minimum shrink temperature: 90° C

Standard

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

Specification Values

| Property | | Test Method | Value | |
|----------------|----------------------|------------------|--|---------------------------------|
| Physical | Unaged | Tensile strength | ASTM D 638 Min. 1.1kgf/mm ² | |
| | | Elongation | UL 224 Min. 200% | |
| | Aged | Tensile strength | ASTM D 638 Min. 0.8kgf/mm ² | |
| | | Elongation | UL 224 175°C/168hrs Min. 100% | |
| | Density | | ASTM D-792 | Max.1.40g/cm ² @23°C |
| | Heat shock | | MIL-I-23053 | Pass @250°Cx4hrs |
| | Low temperature flex | | MIL-I-23053 | No crack @-55°C |
| | Flexibility | | 158°C/168 hrs | No crack |
| Secant Modulus | | UL 224 | Max. 173MPa | |
| Electrical | Dielectric strength | | UL 224 Min. 2500V | |
| | Volume resistivity | | UL 224 Min. 1x10 ¹⁴ Ω - cm | |
| Chemical | Copper corrosion | | MIL-I-23053 175°C/16hrs No corrosion | |
| | Copper stability | | UL 224 No sign of degradation | |
| | Elongation | | 158°C/168hrs Min. 100% | |
| | Flammability (VW-1) | | UL 224 Pass | |

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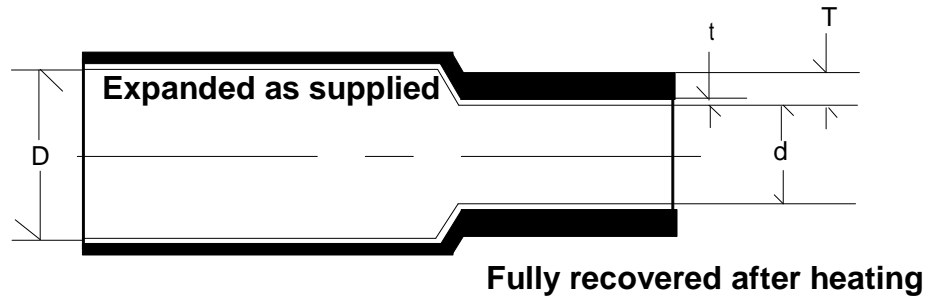
Dunbar Associates
Your Stocking Partner for Quality Components

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Product Dimensions

Minimum Shrink Temperature: 90°C

| Size | Expanded | | Recovered | | | | | | Standard Length |
|-----------|-------------------------------|------|-------------------------------|-------|---|------|--|------|-----------------|
| | Internal Diameter Minimum (D) | | Internal Diameter Maximum (d) | | Minimum Total Wall Thickness (Total Wall) (T) | | Minimum Wall Thickness (Adhesive Wall) (t) | | |
| Inch Size | In. | mm | In. | mm | In. | mm | In. | mm | Ft. |
| 1/8" | 0.126 | 3.2 | .062 | 1.57 | 0.025 | 0.43 | 0.008 | 0.20 | 4 |
| 3/16" | 0.189 | 4.8 | .093 | 2.36 | 0.025 | 0.43 | 0.008 | 0.20 | 4 |
| 1/4" | 0.252 | 6.4 | .125 | 3.18 | 0.030 | 0.56 | 0.008 | 0.20 | 4 |
| 3/8" | 0.378 | 9.6 | .187 | 4.75 | 0.030 | 0.56 | 0.012 | 0.30 | 4 |
| 1/2" | 0.500 | 12.7 | .250 | 6.35 | 0.030 | 0.56 | 0.012 | 0.30 | 4 |
| 3/4" | 0.752 | 19.1 | .375 | 9.53 | 0.035 | 0.69 | 0.012 | 0.30 | 4 |
| 1" | 1.00 | 25.4 | .50 | 12.70 | 0.040 | 0.76 | 0.012 | 0.30 | 4 |
| 1-1/2" | 1.50 | 38.1 | .75 | 19.10 | 0.043 | 0.86 | 0.012 | 0.30 | 4 |

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