



DUNBAR-DR150

2:1 SHRINK RATIO, DIESEL-RESISTANT, FLEXIBLE, HEAT SHRINKABLE ELASTOMERIC POLYOLEFIN TUBING

Applications

DUNBAR-DR150 is flexible elastomer polyolefin tubing, resistant to aviation and diesel fuels, hydraulic fluids, and lubrication oils. It reliably protects wires, solder joints, terminals, connections and components from most industrial fuels, abrasion and mechanical damage.

Features

- ★ Shrink ratio: 50% or more in the radial direction, 10% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: - 75 °C (-103 °F) to 150 °C (302 °F)
- ★ Flammability: ASTM D2671 Procedure B
- ★ High resistance to aviation fuels, diesel fuels and oils
- ★ Heavy wall, flexible tubing

Standard

- ★ AMS-DTL-23053/16 (Formerly MIL-DTL-23053/16)
- ★ RoHS Compliant

Specification Values

| Properties | | Test Methods | Values | |
|------------------|----------------------|-----------------------------------|---|---------------------------------|
| Physical | Unaged | Tensile strength | Min. 1700 psi | |
| | | Elongation | Min. 250% | |
| | | Tensile strength @100% Elongation | Max. 1500 psi | |
| | Aged | Tensile strength | 160 °C/168 hrs | Min. 1500 psi |
| | | Elongation | | Min. 200% |
| | Fluid Resist. | Tensile strength | 24 °C/24 hrs | Min. 1500 psi |
| | | Elongation | 6 Fluids | Min. 200% |
| | | Dielectric strength | | Min. 200V/mil |
| | Low temperature flex | | -65°Cx4hrs | No cracks |
| | Heat shock | | 200°Cx4hrs | No cracks, flowing, or dripping |
| Specific gravity | | ASTM D792 | Max. 1.5 | |
| Electrical | Dielectric strength | ASTM D2671 | Min. 300V / mil | |
| | Volume resistivity | ASTM D876 | Min. $1 \times 10^9 \Omega \cdot \text{cm}$ | |
| Chemical | Copper corrosion | 275°C/16hrs | No corrosion | |
| | Fungus resistance | ASTM G21 | Rating less than 1 | |
| | Water Absorption | ASTM D570 | Max. 2.0 | |
| | Flammability | ASTM D2671 | Pass | |

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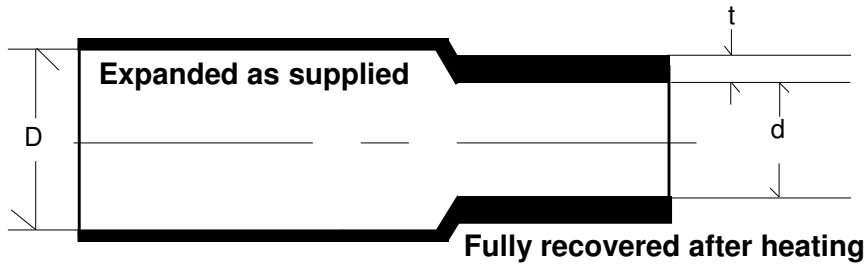
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Tubing and Identification Products

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Product Dimensions

Minimum Shrink Temperature: 135 °C

| Size | Expanded | | Recovered | | | | Standard Spool Length |
|-----------|---------------------------------|------|---------------------------------|------|----------------------------|------|-----------------------|
| | Internal Diameter (Minimum) (D) | | Internal Diameter (Maximum) (d) | | Minimum Wall Thickness (t) | | |
| Inch Size | In. | mm | In. | mm | In. | mm | Ft. |
| 1/8" | 0.125 | 3.2 | 0.062 | 1.6 | 0.030 | 0.76 | 500 |
| 3/16" | 0.188 | 4.8 | 0.093 | 2.4 | 0.033 | 0.84 | 250 |
| 1/4" | 0.250 | 6.4 | 0.125 | 3.2 | 0.035 | 0.89 | 250 |
| 3/8" | 0.375 | 9.6 | 0.187 | 4.8 | 0.040 | 1.02 | 100 |
| 1/2" | 0.500 | 12.8 | 0.250 | 6.4 | 0.048 | 1.22 | 100 |
| 3/4" | 0.750 | 19.3 | 0.375 | 9.5 | 0.057 | 1.45 | 100 |
| 1" | 1.000 | 25.4 | 0.500 | 12.7 | 0.070 | 1.78 | 100 |
| 1-1/4" | 1.250 | 31.8 | 0.712 | 18.1 | 0.086 | 2.20 | 100 |
| 1-1/2" | 1.500 | 38.1 | 0.858 | 21.8 | 0.094 | 2.41 | 100 |

Standard Color: Black

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