



DUNBAR – V200

Viton®

2:1 SHRINK RATIO, FLEXIBLE, HIGH TEMPERATURE, CHEMICAL AND ABRASION RESISTANT, FLUOROELASTOMER TUBING

Applications

DUNBAR-V200 is a heat shrinkable, flexible, fluoroelastomer sleeving that is used in high temperature applications or where exposure to high temperature and aggressive solvents is expected. It is widely used in hydraulic equipment, aircraft manufacture and ship building applications.

Features

- ★ Shrink ratio: 50% or more in the radial direction, 20% or less in the axial direction
- ★ In stock for immediate shipment
- ★ Continuous operating temperature: - 40 °C (-40 °F) to 200 °C (392 °F)
- ★ Excellent abrasion protection for military industries
- ★ High resistance to chemicals and oils

Standard

- ★ AMS-DTL-23053/13 (Formerly MIL-DTL-23053/13)
- ★ RoHS Compliant

Specification Values

| Property | | Test Method | Value | |
|------------|---------------------|----------------------------------|----------------------------------|----------------|
| Physical | Unaged | Tensile strength | Min. 1,200 psi | |
| | | Elongation | Min. 250% | |
| | | Tensile stress @ 200% elongation | Max. 2,000 psi | |
| | Aged | Tensile strength | ASTM-D412 | Min. 1,200 psi |
| | | Elongation | 250 °C/168 hrs | Min. 200% |
| | Fluid Resistance | Tensile strength | ASTM-D412 | Min. 1,200 psi |
| | | Elongation | 250 °C/168 hrs | Min. 250% |
| | Heat shock | 300 °C/4 hrs | No cracking, flowing or dripping | |
| | Cold bend | - 40 °C/4 hrs | No cracking | |
| | Voltage withstand | 2kV/1min | Pass | |
| Electrical | Dielectric strength | ASTM-D2671 | Min. 200Volts/mil | |
| | Volume resistivity | ASTM-D876 | Min. 10 ⁹ Ω - cm | |
| Chemical | Copper corrosion | 175 °C/16 hrs | No pitting or corrosion | |
| | Fungus resistance | ASTM G21 | No growth | |
| | Water absorption | ASTM-D570 | Max 0.5% | |
| | Flammability | ASTM-D2671 | Pass | |

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Dunbar Products, LLC
Tubing and Identification Products

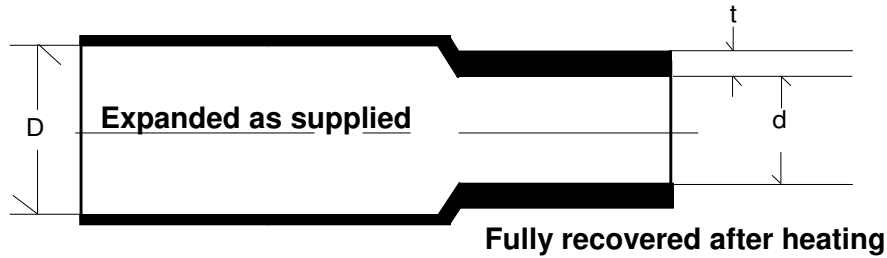
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Product Dimensions

Minimum Shrink Temperature: 175 °C

| Size | Expanded | | Recovered | | | |
|-----------|---------------------------------|------|---------------------------------|------|----------------------------------|------|
| | Internal Diameter (Minimum) (D) | | Internal Diameter (Maximum) (d) | | Minimum Total Wall Thickness (t) | |
| | In. | mm | In. | mm | In. | mm |
| Inch Size | | | | | | |
| 1/8" | 0.125 | 3.4 | 0.063 | 1.6 | 0.048 | 0.65 |
| 3/16" | 0.187 | 4.7 | 0.094 | 2.4 | 0.028 | 0.72 |
| 1/4" | 0.250 | 6.4 | 0.125 | 3.2 | 0.028 | 0.72 |
| 3/8" | 0.375 | 9.5 | 0.187 | 4.7 | 0.028 | 0.72 |
| 1/2" | 0.500 | 12.7 | 0.250 | 6.4 | 0.028 | 0.72 |
| 5/8" | 0.625 | 15.9 | 0.312 | 7.9 | 0.034 | 0.90 |
| 3/4" | 0.750 | 19.1 | 0.375 | 9.5 | 0.034 | 0.90 |
| 7/8" | 0.875 | 22.2 | 0.437 | 11.1 | 0.038 | 0.92 |
| 1" | 1.000 | 25.4 | 0.500 | 12.7 | 0.038 | 0.92 |
| 1 1/4" | 1.250 | 31.8 | 0.625 | 15.9 | 0.040 | 1.02 |
| 1 1/2" | 1.500 | 38.1 | 0.750 | 19.1 | 0.040 | 1.02 |

Standard Color: Black

Optional Color(s): Available by special order

Storage Condition: Keep cool. Don't keep package over 8 hours at temperature exceeding 40 °C (104 °F).

* Test Fluids: Hydraulic Fluid petroleum base
 JP-8
 Lubricating Oil
 Lubricating Oil
 5 percent NaCl
 Deicing Fluid

MIL-H-5606
 MIL-T-5624
 MIL-L-7808
 MIL-L-23699
 A-A-694
 MIL-A-8243

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