**DUNBAR – V200 Viton**

MATRIX

# 3:1 High Shrink Ratio, Flexible, High Temperature, Chemical and Abrasion Resistant Fluoroelastomer Tubing

DUNBAR

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.

**STANDARDS:**

- SAE AS23053/13 (Formerly AMS-DTL-23053/13)
- Declared Dimensional Life (DDL) – 5 Years
- RoHS & REACH Compliant

**PRODUCT 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

## Specification Values

| Property | | | Test Method | Value |
|---|---|---|---|---|
| Physical | Unaged | Tensile Strength | ASTM-D412 | Min. 1,200 psi |
| | | Elongation | | Min. 250% |
| | | Tensile Stress @ 200% Elongation | | Max. 2,000 psi |
| | Aged | Tensile Strength | ASTM-D412 250°C/168 hrs | Min. 1,200 psi |
| | | Elongation | | Min. 200% |
| | Fluid Resistance | Tensile Strength | ASTM-D412 250°C/168 hrs | Min. 1,200 psi |
| | | Elongation | | 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. 200 Volts/mil |
| | Volume Resistivity | | ASTM-D876 | Min. $10^9 \Omega \cdot cm$ |
| 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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MATRIX

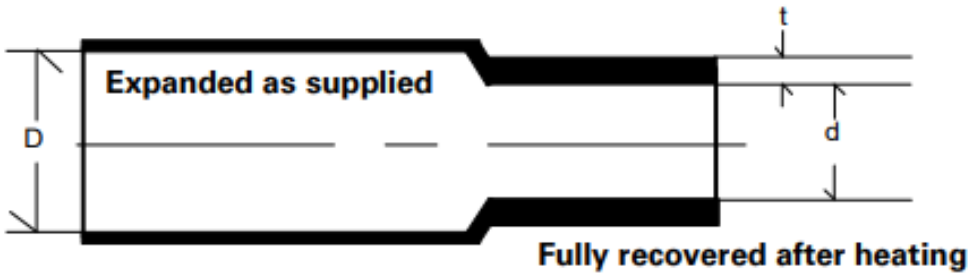
# MATRIX PRECISION CONVERTING

***Your Application. Our Expertise.***

Matrix specializes in precision cutting and converting of engineered materials to meet the exact specifications required by manufacturers. Our state-of-the-art equipment and expertise ensure precise customization, providing manufacturers with streamlined solutions to enhance their product quality and performance.

## DUNBAR – V200 Viton®

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




**Minimum Shrink Temperature: 100 °C**
**Minimum Full Recovery Temperature: 175 °C**

### Product Dimensions

| Size | Expanded | | Recovered | | | |
|---|---|---|---|---|---|---|
| | Internal Diameter (Minimum) (D) | | Internal Diameter (Maximum) (d) | | Total Wall Thickness (Minimum) (t) | |
| in | In. | mm | In. | mm | In. | mm |
| 1/8" | 0.125 | 3.4 | 0.063 | 1.6 | 0.023 | 0.6 |
| 3/16" | 0.187 | 4.7 | 0.094 | 2.4 | 0.028 | 0.7 |
| 1/4" | 0.250 | 6.4 | 0.125 | 3.2 | 0.028 | 0.7 |
| 3/8" | 0.375 | 9.5 | 0.187 | 4.7 | 0.028 | 0.7 |
| 1/2" | 0.500 | 12.7 | 0.250 | 6.4 | 0.028 | 0.7 |
| 5/8" | 0.625 | 15.9 | 0.312 | 7.9 | 0.034 | 0.9 |
| 3/4" | 0.750 | 19.1 | 0.375 | 9.5 | 0.034 | 0.9 |
| 7/8" | 0.875 | 22.2 | 0.437 | 11.1 | 0.038 | 0.9 |
| 1" | 1.00 | 25.4 | 0.500 | 12.7 | 0.038 | 0.9 |
| 1-1/4" | 1.25 | 31.8 | 0.625 | 15.9 | 0.040 | 1.0 |
| 1-1/2" | 1.50 | 38.1 | 0.750 | 19.1 | 0.040 | 1.0 |

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