



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

Standards

- ★ SAE AS23053/13 (Formerly AMS-DTL-23053/13)
- ★ Declared Dimensional Life (DDL) – 5 Years
- ★ RoHS & REACH 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. 200 Volts/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	

Rev. April 2024



Dunbar Products, LLC
Tubing and Identification Products

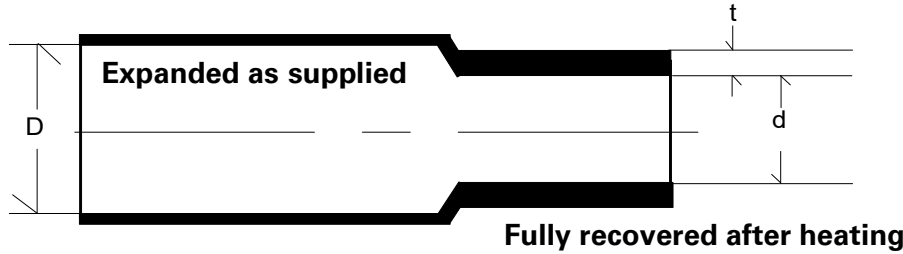


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Minimum Shrink Temperature: 100 °C

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.	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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Standard Color: Black

* 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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