

3:1 High Shrink Ratio, Flexible, Semi-Rigid, Medium Wall, Flame-Retardant, Adhesive-Lined Polyolefin Tubing



DUNBAR–PMWT-FR is designed to provide reliable performance as well as excellent mechanical and environmental protection. DUNBAR–PMWT-FR is designed for sealing and insulation of cable splices, electrical connections, terminations, and jacket repairs. Ideally suited for shipboard, submersible, direct-buried installations, or wherever tougher mechanical protection is required in an electrical insulation system.

STANDARDS:

- SAE AS23053/15 Class 2 (Formerly AMS-DTL-23053/15 Class 2)
- UL 224: VW-1, 125°C, 600V (File Number E319303)
- Declared Dimensional Life (DDL) – 10 Years
- ABS File No. 02-SE23285-X
- RoHS & REACH Compliant

PRODUCT FEATURES:

- Shrink ratio: 67% or more in the radial direction, 10% or less in the axial direction
- In stock for immediate shipments
- Operating temperature range: -55°C (-67°F) to 125°C (230°F)
- Flammability: UL VW-1, CSA OFT (except clear)
- High Carbon Black composition to resist UV radiation
- Exceptional flexibility prior to recovery

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	Min. 1200 psi	
		Elongation	Min. 200%	
	Aged	Tensile Strength	Min. 1000 psi	
		Elongation	Min. 100%	
	Fluid Resist.	Tensile Strength	24°C/24 hrs	Min. 750 psi
		Dielectric Strength	6 Fluids	Min. 200 Volts/mil
	Low Temperature Flex	-55°Cx4hrs	No cracks	
Heat Shock	225°Cx4hrs	No cracks, flowing, or dripping		
Secant Modulus	ASTM D882	Max. 25,000 psi		
Electrical	Dielectric Strength	ASTM D2671	Min. 200 Volts/mil	
	Volume Resistivity	ASTM D876	Min. 10 ¹³ Ω · cm	
Chemical	Copper Corrosion	121°C/16hrs	No corrosion	
	Fungus Resistance	ASTM G21	No growth	
	Water Absorption	ASTM D570	Max. 0.5%	
	Flammability	ASTM D2671	Pass	

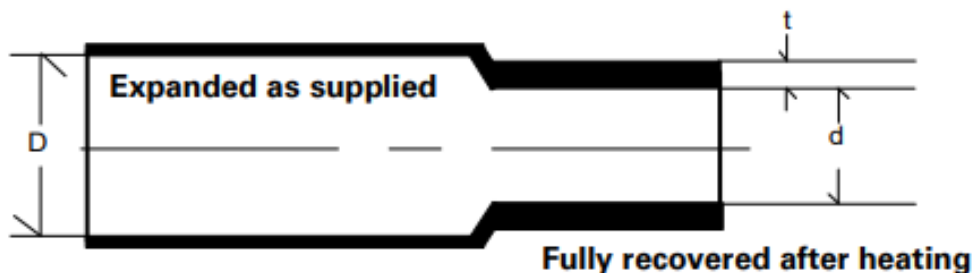
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DUNBAR – V200 Viton®

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



Minimum Shrink Temperature: 100 °C

Product Dimensions

Minimum Full Recovery Temperature: 175 °C

Size	Expanded		Recovered			
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Total Wall Thickness (Minimum) (t)	
	In.	mm	In.	mm	In.	mm
in						
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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