



DUNBAR – 1625W

2:1 SHRINK RATIO, DUAL-WALL, FLEXIBLE, POLYOLEFIN TUBING

Applications

DUNBAR-1625W is designed for general purpose applications such as the insulation and strain relief of electrical connections and terminations, light-duty harnessing, jacketing and bundling. The adhesive lining forms an environmental seal that helps protect against moisture.

Features

- ★ Shrink ratio: 50% or more in the radial direction
+1%, -10% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: -55°C (-67°F) to 125°C (257°F)
- ★ Flammability: Flame retardant (Jacket only, except clear)
- ★ Excellent electrical properties

Standards

- ★ SAE AS23053/4 Class 2, all colors except clear (Formerly AMS-DTL-23053/4 Class 2)
(Clear is available, but not an approved Mil-Spec color)
- ★ Declared Dimensional Life (DDL) – 10 Years
- ★ UL 224: 125°C, 600V (File Number: E319314, except clear)
- ★ RoHS & REACH Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D638	Min. 1500 psi
		Elongation		Min. 200%
	Fluid Resist.	Tensile strength	ASTM D638	Min. 1000 psi
		Dielectric strength	ASTM D2671	Min. 400 Volts/mil
	Heat shock		250°C/4 hrs	No cracks, flowing, or dripping
	Low temperature flex		ASTM D746	No crack @ -55°C
	Secant Modulus		ASTM D882	Max. 25,000 psi
Heat Resistance		ASTM D2671	No cracks	
Electrical	Dielectric strength		ASTM D2671	Min. 500 Volts/mil
	Volume resistivity		ASTM D876	Min. $1 \times 10^{12} \Omega \cdot \text{cm}$
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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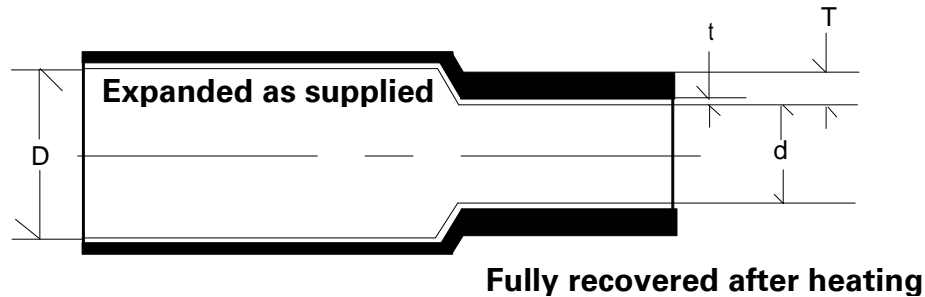
Dunbar Products, LLC
Tubing and Identification Products

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Product Dimensions

Minimum Shrink Temperature: 120°C

Size	Expanded		Recovered					
	Internal Diameter Minimum (D)		Internal Diameter Maximum (d)		Minimum Total Wall Thickness (Total Wall) (T)		Nominal Wall Thickness (Adhesive Wall) (t)	
	In.	mm	In.	mm	In.	mm	In.	mm
1/8"	0.138	3.5	0.062	1.6	0.017	0.4	0.004	0.1
3/16"	0.197	5.0	0.093	2.4	0.017	0.4	0.004	0.1
1/4"	0.238	6.0	0.125	3.2	0.024	0.6	0.004	0.1
3/8"	0.355	9.0	0.187	4.7	0.024	0.6	0.004	0.1
1/2"	0.475	12.1	0.250	6.4	0.030	0.7	0.005	0.1
3/4"	0.712	18.1	0.375	9.5	0.030	0.8	0.005	0.1
1"	0.950	24.1	0.500	12.7	0.035	0.9	0.007	0.2
1-1/2"	1.425	36.2	0.750	19.1	0.039	1.0	0.007	0.2

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