

3:1 High Shrink Ratio, Dual-Wall, Semi-Rigid Polyolefin Tubing

DUNBAR-3625WS is a semi-rigid, high shrink ratio, flame retardant heat shrinkable polyolefin tube with an adhesive lining which flows when heated. It is suitable for a wide range of applications such as encapsulation of cables, splices, and components.



PRODUCT FEATURES:

- Shrink ratio: 67% or more in the radial direction, -10% or less in the axial direction
- In stock for immediate shipment
- Continuous operating temperature: -55°C (-67°F) to 125°C (257°F)
- Flammability: Flame Retardant (Jacket only, except clear) ☒ Excellent electrical properties
- High resistance to abrasion, chemicals, and oils

STANDARDS:

- SAE AS23053/4 Class 1, all colors & clear (Formerly AMS-DTL-23053/4 Class 1)
- Declared Dimensional Life (DDL) – 10 Years
- UL 224: VW-1, 600 V, 125 °C (File Number: E319314, except clear) ☒ RoHS & REACH Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	Min. 1500 psi	
		Elongation	Min. 200%	
	Fluid Resist.	Tensile Strength	ASTM D 638	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	Min. 25,000 psi	
Electrical	Dielectric Strength		ASTM D2671	Min. 500 Volts/mil
	Volume Resistivity		ASTM D876	Min. 10 ¹⁵ Ω · cm
Chemical	Copper Corrosion		121°C/16hrs	No corrosion
	Fungus Resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 0.5%

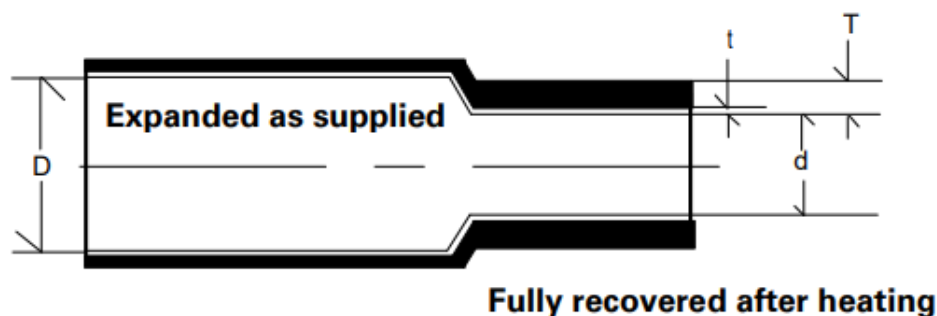
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DUNBAR – 3625WS

3:1 HIGH SHRINK RATIO, DUAL-WALL, SEMI-RIGID POLYOLEFIN TUBING



Product Dimensions

Minimum Shrink Temperature: 125 °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"	0.125	3.2	0.023	0.6	0.032	0.8	0.020	0.5
3/16"	0.187	4.8	0.060	1.5	0.037	0.9	0.025	0.6
1/4"	0.250	6.4	0.080	2.0	0.040	1.0	0.027	0.7
3/8"	0.375	9.5	0.135	3.4	0.043	1.1	0.030	0.8
1/2"	0.500	12.7	0.195	5.0	0.048	1.2	0.035	0.9
3/4"	0.750	19.1	0.313	8.0	0.058	1.5	0.040	1.0
1"	1.00	25.4	0.400	10.2	0.068	1.7	0.040	1.0

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