



# DUNBAR – 4635

4:1 SHRINK RATIO, FLEXIBLE, FLAME RETARDANT, POLYOLEFIN TUBING

## Applications

DUNBAR-4635 is a flexible, high shrink ratio, flame retardant, heat resistant, heat shrinkable polyolefin tube. It is designed for a wide range of applications requiring high heat-resistance, including insulation for electric & electronic devices, wire strain relief and protective covering for parts such as resistors and capacitors.

## Features

- ★ Shrink ratio: 75% or more in the radial direction, 50% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: -55°C (-67°F) to 135°C (275°F)
- ★ Flammability: UL VW-1, CSA OFT (except clear)
- ★ High resistance to abrasion, chemicals and oils

## Standard

- ★ UL 224: VW-1, 125°C, 600V (File Number: E319303)
- ★ RoHS & REACH Compliant

## Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D638	Min. 1,500 psi
		Elongation		Min. 200%
	Aged	Elongation	ASTM D638	Min. 100%
	Fluid Resist.	Tensile strength	24°C/24 hrs	Min. 1,000 psi
		Dielectric strength	6 Fluids	Min. 400 Volts/mil
	Concentricity		ASTM D2671	Min. 50%
	Heat shock		250°C/4 hrs	No cracks, flowing or dripping
	Low temperature flexibility		- 55°C/4 hrs	No cracking
	Secant modulus		ASTM D882	Max. 25,000 psi
Specific gravity		ASTM D792	Max. 1.35 (Max. 1.00 Clear)	
Electrical	Dielectric strength		ASTM D2671	Min. 500 Volts/mil
	Volume resistivity		ASTM D876	Min. 10 <sup>14</sup> Ω - cm
Chemical	Copper corrosion		175°C/16 hrs	No corrosion
	Fungus resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 0.5%
	Flammability		ASTM D2671	Pass

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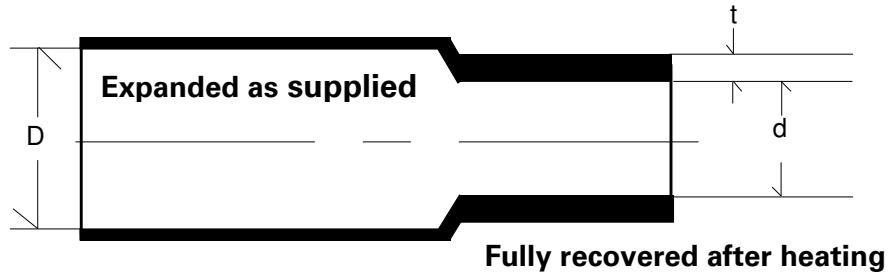
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## Product Dimensions

Minimum Shrink Temperature: 90°C

Size	Expanded		Recovered			
	Internal Diameter Minimum (D)		Internal Diameter Maximum (d)		Minimum Total Wall Thickness (t)	
Metric (Inch)	In.	mm	In.	mm	In.	mm
12mm (1/2")	0.47	12.0	0.118	3.0	0.037	0.96
19mm (3/4")	0.75	19.0	0.180	4.5	0.037	0.96
25mm (1")	1.00	25.4	0.276	7.0	0.037	0.96
32mm (1-1/4")	1.26	32.0	0.315	8.0	0.059	1.50
38mm (1-1/2")	1.50	38.0	0.374	9.5	0.059	1.50

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