



DUNBAR – 4635

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


Applications

DUNBAR-4635 is a flexible, flame retardant 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

- ★ Low Temperature Printable
- ★ Shrink ratio: 75% or more in the radial direction
- ★ Continuous operating temperature: - 55°C to 135°C
- ★ Flammability: UL VW-1, CSA OFT, -F-MARK
- ★ Highly heat-resistance
- ★ High resistance to chemicals and oils

Standard

- ★ UL 224 (UL File: E319314) 
- ★ MIL-DTL-23053/5 Class 1 & Class 3 (Clear is Class 2)
- ★ RoHS Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	Min. 1.1 kgf/mm ²	
		Elongation	Min. 200%	
	Aged	Tensile strength	Min. 75% of the value of unaged specimens	
		Elongation	Min. 100%	
	Deformation		158°C/1 hr	Max. 50%
	Heat shock		250°C/4 hrs	No crack
	Cold bend		- 55°C/4 hrs	No crack
	Flexibility		158°C/168 hrs	No crack
Secant Modulus		-	Max. 17.64 kgf/mm ²	
Electrical	Dielectric strength		-	Min. 2.5kV/1 minute
	Volume resistivity		-	Min. 10 ¹⁴ Ω - cm
Chemical	Copper corrosion		158°C/168 hrs	No corrosion
	Copper stability		158°C/168 hrs	No sign of degradation
	Flammability		VW-1	Pass

Rev. June 2009



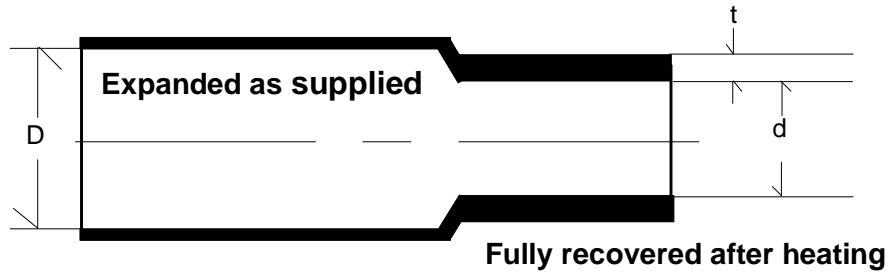
Dunbar Associates
Your Stocking Partner for Quality Components

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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)	
	In.	mm	In.	mm	In.	mm
Inch Size						
1/2	0.470	12.0	0.118	3.0	0.037	0.96
3/4	0.750	19.0	0.180	4.5	0.037	0.96
1	1.0	25.4	0.276	7.0	0.037	0.96
1-1/4	1.26	32.0	0.315	8.0	0.059	1.50
1-1/2	1.50	38.0	0.374	9.5	0.059	1.50

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