



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

Standards

- ★  US UL 224: VW-1, 600 V, 125 °C (File Number: E319303)
- ★ Declared Dimensional Life (DDL) – 10 Years
- ★ RoHS & REACH Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	Min. 1,500 psi	
		Elongation	Min. 200%	
	Aged	Elongation	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 ¹⁴ 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

Rev. April 2024



Dunbar Products, LLC
Tubing and Identification Products

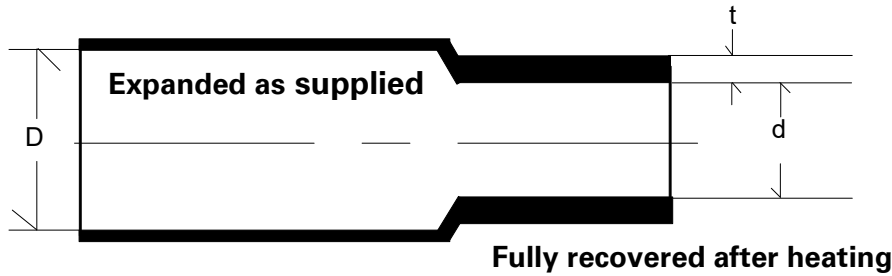


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Product Dimensions

Minimum Shrink Temperature: 90 °C

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