

Part Number CBDWT4000

Header CBDWT4000 Mil Spec Adhesive Lined Dual Wall Heat Shrink

Description Thermosleeve USA CBDWT4000 is a clear adhesive-lined, semi rigid, flame-retardant cross-linked polyolefin heat-shrinkable tubing. Typical electrical applications include repairing damaged cables, sealing connectors and components and covering wire bundles where see through inspection is required.

When heated to a minimum of 110 degree C (230 degrees F), CBDWT4000 will begin to shrink and the adhesive will flow freely around the substrate. The adhesive will bond to a variety of materials including metals, plastics and rubbers. Once cooled, the adhesive will solidify and provide an excellent barrier against moisture.

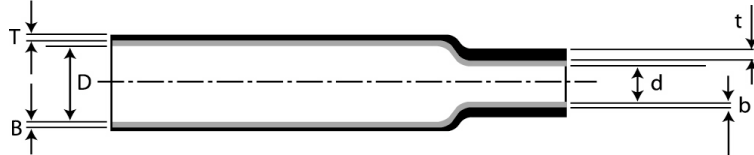
Agency Approval & Compliance RoHS, MIL, REACH, VW1

Application CBDWT4000 can be used in a variety of applications where environmental issues are a concern. The adhesive lining provides an excellent barrier against moisture and is good choice of material for repairing cables, covering components and other electronic/electrical connections. The translucent properties of the tubing allows for easy see through inspection.

Shrink Ratio and Operating Temperature CBDWT4000 has a minimum shrink ratio of 4:1. When fully recovered, the 4:1 material will shrink to twenty five percent (25%) of its original supplied diameter. The tubing's wall thickness will also change proportionally to the degree of recovery.

Operating temperature range is from -40 degree C to 135 degrees C (-40 degrees F to 275 degrees F)

Standard Sizes and Dimension



Size					
As Supplied (D)		After recovery (mm)			
Size (in)	Size (mm)	Inside Diameter (D)	Wall-thickness (t)	Adhesive Wall (b)	Total Wall (t+b)
7/32"	5.72	1.27	0.64	0.56	1.2
19/64"	7.44	1.65	0.76	0.76	1.52
7/16"	10.85	2.41	0.89	1.02	1.91
11/16"	17.78	4.45	1.04	1.37	2.41

Specifications

Item	Specifications
Shrink Temperature (°C)	110°C --150°C
Temperature Range (°C)	130°C
Radial Shrinking Ratio (%)	≥25
Longitudinal Change (%)	0 to -10%

Tensile Strength (MPa)	≥10.3
Ultimate Elongation (%)	≥200%
Aging in Circulating-air Oven	
Tensile Strength (MPa) - After Aging	
Ultimate Elongation (%) - After Aging	
Dielectric Voltage Withstand (V)	
Volume Resistivity (Ω.cm)	≥1.0 x 10 ¹²
Dielectric Voltage (V) AC	
Dielectric Strength (kV/mm)	≥350
Flammability	VW-1
Concentricity (%)	≥65
Heat Shock	No Cracking
Cold Shock	
Dielectric Strength (@1min, AC2500V)	
Water Absorption ASTM D 570	≤1.0 %

Availability Four-foot lengths, master reels and cut pieces

Important Notice All information contained in this data sheet is believed to be reliable and accurate. It is advised however that the end user of this material evaluate the suitability of the product for their specific application.

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