

Part Number DWT3000

Header DWT3000 Mil Spec Adhesive Lined Dual Wall Heat Shrink

Description Thermosleeve-USA DWT3000 is an adhesive-lined, semi rigid, flame-retardant cross-linked polyolefin heat-shrinkable tubing specifically designed to meet automotive industry requirements. The typical electrical applications include repairing damaged cables, sealing connectors and components, covering wire bundles and harness breakouts.

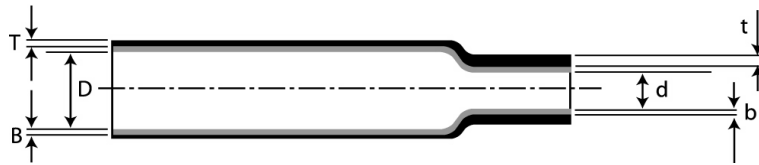
When heated to a minimum of 110 degree C (230 degrees F), DWT3000 will begin to shrink and the adhesive will flow freely around the substrate. The adhesive will bond to a variety of materials including metals, plastics and rubbers. Once cooled, the adhesive will solidify, remain flexible and provide an excellent barrier against moisture.

Agency Approval & Compliance UL, CUL, ROHS, MIL Spec, Flame Retardant, UL224, REACH, VW1

Application Specifically designed to meet the demanding requirements of OEM automakers, DWT3000 can also be used in a variety of applications where environmental issues are a concern. The adhesive lining provides an excellent barrier to moisture and is good choice of material for repairing cables, covering components and other electronic/electrical connections where harsh weather conditions are present or are a concern.

Shrink Ratio and Operating Temperature DWT3000 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)


Size

Size (Inches)	Size (mm)	As supplied (mm)		After recovery (mm)		
		Inside diameter (D)	Wall Thickness (T+B)	Inside diameter (d)	Wall Thickness (T)	Min. Adhesive wall (t)
7/32"	5.72	6.2±0.4	0.55±0.25	1.27	1.30±0.30	0.6
19/64"	7.44	8.0±0.5	0.58±0.25	1.65	1.52±0.30	0.75
7/16"	10.85	11.5±0.6	0.7±0.25	2.41	1.90±0.40	1.05
11/16"	17.78	19.0±0.8	0.88±0.25	4.45	2.40±0.50	1.37

Specifications

Item	Specification
Temperature Range (°C)	-55°C-135°C
Shrink Temperature (°C)	110°C-150°C
Longitudinal Change (%)	0~10%
Tensile Strength (M Pa)	≥10.3

Ultimate Elongation (%)	≥250
Secant Modulus at 2% (expanded)* (M Pa)	≥137
Heat Shock 4 hours at 250°C (437)	No cracking
Dynamic Cut Through (Kg)	≥13.6kg
Volume Resistivity (ohm-cm)	1.0 x 10 ¹²
Flammability	Self-extinguishing within 30 seconds
Fluid Resistance	Excellent

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.

Limited Warranty/Limited Liability

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