

Part Number DWTFR

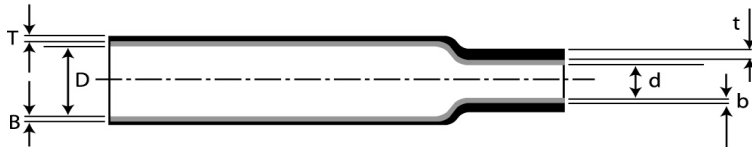
Header DWTFR Adhesive Lined Semi Rigid Polyolefin Heat Shrink Tubing

Description Thermosleeve-USA DWTFR with adhesive liner is a semi-rigid, flame retardant polyolefin heat shrink tubing with good mechanical strength, sealing oil-resistance and insulation properties. Mechanically tough, DWTFR tubing provides good electrical insulation and has high resistance to impact and abrasion. When heated, the internal adhesive flows to form a positive seal creating an excellent barrier against moisture. Specially designed for reliable performance, DWTFR tubing is manufactured to cover a broader range of applications in fewer sizes *due to its bigger* shrink ratios. DWTFR has a minimum shrink temperature rating of 110 degrees C (230 degrees F).

Agency Approval & Compliance ROHS, Flame Retardant, REACH, VW1

Application DWTFR heat shrink tubing with adhesive liner is designed to seal and protect components and electrical splices from moisture and corrosion. Widely used to provide insulation and strain relief cover to both wire terminations and electrical connectors, DWTFR tubing is a tough material commonly used for both automotive and harsh environment applications. DWTFR tubing shrinks quickly, requires no special skills and is easy to use. The adhesive liner bonds to a wide variety of materials including plastics, rubbers and metals.

Shrink Ratio and Operating Temperature DWTFR has a 4:1 shrink ratio and when fully recovered, the 4:1 material will shrink to one fourth (25%) of its original supplied diameter. DWTFR has a continuous operating temperature rating of -40 degrees C (-40 degrees F) and 125 degrees C (257 degrees F)

Standard Sizes and Dimension


Size (Inches)	As Supplied		Wall after recovery		
	ID (mm) (D)	Nominal Wall Thickness (T)	ID (mm) (d)	Total wall (t+b)	Nominal Adhesive Wall (b)
13/64	5.2	0.55	≥1.20	1.65±0.2	0.95±0.05
5/16"	≥ 7.6	0.60	≤1.60	1.85±0.2	1.15±0.06
3/8"	≥ 9.0	0.60	≤2.10	1.9±0.3	1.10±0.06
7/16"	≥ 11.6	0.75	≤2.30	2.30±0.3	1.35±0.07
11/16"	≥ 17.8	0.83	≤4.45	2.70±0.3	1.50±0.08

Typical Properties

Item	Specification
Shrink Temperature (°C)	110 –150°C
Temperature Range (°C)	-40°C→+125°C
Longitudinal Change (%)	≤10
Tensile Strength (MPa)	≥10.4 MPa
Ultimate Elongation (%)	≥200
Volume Resistivity (Ω.cm)	≥10 ¹²

Flammability	VW-1
Heat Shock	No cracking
Cold Shock	No cracking
(Copper Corrosion)	No Corrosion

Availability Four-foot lengths 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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