

Part Number DWT-HWTA

Header DWT-HWTA Heavy Wall Polyolefin Heat Shrink Tubing With Adhesive Liner

Description Thermosleeve-USA DWT-HWTA heavy wall heat shrink tubing with adhesive liner provides exceptional reliability and offers rugged resistance to impact and abrasion. DWT-HWTA tubing protects against the most extreme weather conditions and is resistant to acids and alkalis. When heated, the internal adhesive flows to form a positive seal creating an excellent barrier against moisture. Especially designed for reliable performance, DWT-HWTA tubing is manufactured to cover a broader range of applications in fewer sizes *due to its bigger* shrink ratios. DWT-HWTA has a minimum shrink temperature rating of 120 degrees C (248 degrees F). DWT-HWTA is also available without adhesive liner...see Thermosleeve part number HWT

Agency Approval & Compliance ROHS, Halogen free, SAE, Flame Retardant, UL224, REACH

Application DWT-HWTA 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, the adhesive liner bonds to a wide variety of materials including plastics, rubbers and metals. DWT-HWTA shrinks quickly, requires no special skills and is easy to use.

Shrink Ratio and Operating Temperature DWT-HWTA shrink ratios range between 3:1 and 4:1...please consult the Thermosleeve website for specific sizes and shrink ratios. The tubing's wall thickness will also change proportionally to the degree of recovery.

DWT-HWTA has a continuous operating temperature rating of -55 degrees C (-67 degrees F) and 110 degrees C (230 degrees F)

Standard Sizes and Dimension


Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter (D)	Wall-thickness (T)	Inside Diameter (d)	Wall-thickness (t)
Φ9	≥9.0		≤3.0	≥2.0
Φ13	≥13.0		≤4.0	≥2.4
Φ16	≥16.0		≤5.0	≥2.5
Φ19	≥19.0		≤5.0	≥2.5
Φ22	≥22.0		≤6.0	≥2.7
Φ33	≥33.0		≤8.0	≥3.2
Φ40	≥40.0		≤12.0	≥4.0
Φ45	≥45.0		≤12.0	≥4.0
Φ55	≥55.0		≤16.0	≥4.0
Φ65	≥65.0		≤19.0	≥4.0
Φ75	≥75.0		≤22.0	≥4.0

Φ80	≥80.0		≤22.0	≥4.0
Φ85	≥85.0		≤25.0	≥4.2
Φ95	≥95.0		≤30.0	≥4.2
Φ105	≥105.0		≤30.0	≥4.2
Φ115	≥115.0		≤34.0	≥4.2
Φ130	≥130.0		≤36.0	≥4.2
Φ140	≥140.0		≤37.0	≥4.2
Φ160	≥160.0		≤50.0	≥4.2
Φ180	≥180.0		≤50.0	≥4.2
Φ200	≥200.0		≤60.0	≥4.2

Typical Properties

Property	Specification
Shrink Temperature (°C)	120°C
Operating Temperature (°C)	-55 ~ 110°C
Tensile strength	14.5 MPa
Ultimate Elongation (%)	≥450
Tensile Strength (MPa) - After Aging	13.5
Ultimate Elongation (%) - After Aging	400
Volume Resistivity	10 ¹⁴
Concentricity	70
Longitudinal shrinkage	5
Dielectric strength	≥21kV/mm
Cracking Resistance	No cracking

Adhesive	
Water absorptivity	0.15%
Softening Point	85°C
Peel Strength (N/25mm)	8
Copper stability	Pass
Antibacterial Property	Pass

Availability Four-foot lengths and cut pieces

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