

Part Number DWHST-MWA

Header DWHST-MWA Medium Wall Polyolefin Heat Shrink Tubing With Adhesive Liner

Description Thermosleeve-USA DWHST-MWA medium wall heat shrink tubing with adhesive liner 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. Especially designed for reliable performance, DWHST-MWA tubing is manufactured to cover a broader range of applications in fewer sizes *due to its bigger* shrink ratios. DWHST-MWA has a minimum shrink temperature rating of 120 degrees C (248 degrees F). DWHST-MWA is also available without adhesive liners...see Thermosleeve part number MWT

Agency Approval & Compliance ROHS, Halogen free, SAE, Flame Retardant, UL224, REACH, VW1

Application DWHST-MWA 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. DWHST-MWA shrinks quickly, requires no special skills and is easy to use.

Shrink Ratio and Operating Temperature DWHST-MWA 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.

DWHST-MWA 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 (inches)	As supplied (mm)	After Recovery (mm)		Packing Length (Mt/roll)
	Inside Diameter (D)	Inside Diameter (d)	Wall Thickness (t)	
Φ8	≥8.0	≤2.0	≥1.7	1.00, 1.22
Φ9	≥9.0	≤3.0	≥1.9	1.00, 1.22
Φ10	≥10.0	≤3.0	≥1.9	1.00, 1.22
Φ12	≥12.0	≤3.0	≥2.0	1.00, 1.22
Φ13	≥13.0	≤4.0	≥2.0	1.00, 1.22
Φ16	≥16.0	≤5.0	≥2.2	1.00, 1.22
Φ19	≥19.0	≤5.0	≥2.2	1.00, 1.22
Φ22	≥22.0	≤6.0	≥2.5	1.00, 1.22
Φ28	≥28.0	≤6.0	≥2.5	1.00, 1.22
Φ33	≥33.0	≤8.0	≥2.5	1.00, 1.22
Φ40	≥40.0	≤12.0	≥2.7	1.00, 1.22
Φ45	≥45.0	≤12.0	≥2.7	1.00, 1.22
Φ55	≥55.0	≤16.0	≥2.8	1.00, 1.22
Φ60	≥60.0	≤19.0	≥2.8	1.00, 1.22
Φ65	≥65.0	≤19.0	≥2.8	1.00, 1.22

Φ70	≥70.0	≤22.0	≥3.0	1.00、1.22
Φ75	≥75.0	≤22.0	≥3.0	1.00、1.22
Φ80	≥80.0	≤22.0	≥3.0	1.00、1.22
Φ85	≥85.0	≤25.0	≥3.0	1.00、1.22
Φ95	≥95.0	≤25.0	≥3.0	1.00、1.22
Φ115	≥115.0	≤34.0	≥3.2	1.00、1.22
Φ140	≥140.0	≤42.0	≥3.3	1.00、1.22
Φ160	≥160.0	≤50.0	≥3.3	1.00、1.22
Φ180	≥180.0	≤58.0	≥3.3	1.00、1.22
Φ205	≥205.0	≤65.0	≥3.3	1.00、1.22

Typical Properties

Item	Specifications
Shrink Temperature (°C)	120°C
Temperature Range (°C)	-55°C-110°C
Radial Shrinking Ratio (%)	
Longitudinal Change (%)	5%
Tensile Strength (MPa)	14MPa
Ultimate Elongation (%)	400%
Aging in Circulating-air Oven	
Tensile Strength (MPa) - After Aging	13MPa
Ultimate Elongation (%) - After Aging	≥380%
Dielectric Voltage Withstand (kV/mm)	21
Volume Resistivity (Ω.cm)	1X10 ¹⁴ Ω.cm
Dielectric Voltage (V) AC	
Dielectric Strength (kV/mm)	21kV/mm
Flammability	
Concentricity (%)	70
Cracking Resistance	No Cracking
Heat Shock	
Cold blend(-55°C/4hrs)	No cracking
Copper corrosion	No corrosion

Water Absorption	0.15%
Density	
Eccentricity	
Softening Point	85
Peel Strength	8
Antibacterial Property	Pass

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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