

# Thin Wall Heat Shrink Tubing (Adhesive Lined)

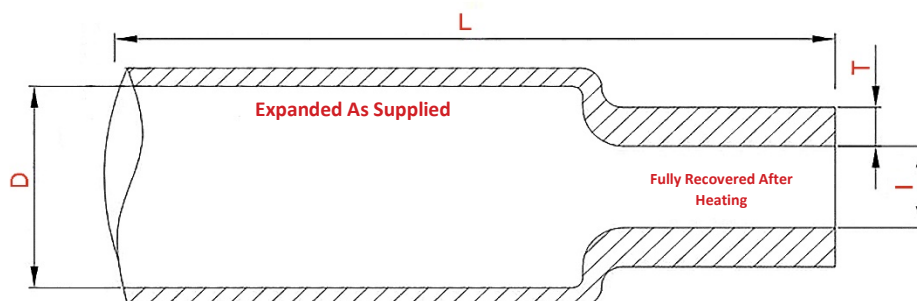


## RITTA 4:1

RITTA 4:1 is a flexible heat shrink tubing with internal coating of a hot melt adhesive, to provide moisture proof sealing on cable jackets and other components. The 4:1 shrink ratio means it is ideal for irregular shapes with widely varying dimensions.

Features:

- Adhesive Lined
- 4:1 shrink ratio
- Flame Retardant (Outer Jacket)
- Excellent Resistance to Chemicals and Solvents
- Excellent Electrical Properties
- Continuous Operating Temperature: -50°C to 110°C
- Hot Melt Adhesive
- RoHS Compliant



\*Drawing depicts typical dimensions (Dimensions are all in mm)

D – Internal Diameter | E – Maximum Internal Diameter | L – Length as per requirement | T – Wall Thickness | E – As Supplied | S – After Free Recovery

### PRODUCT DIMENSIONS – RITTA Series

CODE	D (mm)		T (mm)
	E	S	S
	Min	Max	Nom.
RITTA 4.0/1.0	4.0	1.0	0.50
RITTA 6.0/1.5	6.0	1.5	0.50
RITTA 8.0/2.0	8.0	2.0	0.50
RITTA 12.0/3.0	12.0	3.0	0.60
RITTA 16.0/4.0	16.0	4.0	0.80
RITTA 24.0/6.0	24.0	6.0	0.80
RITTA 25.4/6.4	25.4	6.4	1.00
RITTA 32.0/8.0	32.0	8.0	1.00
RITTA 52.0/13.0	52.0	13.0	1.00

Standard Colour: Black

Other Colours Available on Request

Standard Length = 1.2m Sticks

### MATERIAL SPECIFICATIONS

CHARACTERISTIC	VALUE	TEST METHOD
<b>Physical Properties</b>		
Water Absorption	0.5% (max)	ASTM D – 570/ISO 62
Tensile Strength	15 N/sqmm (min)	ASTM D – 412 / ISO 37
Ultimate Elongation	300% (min)	ASTM D – 412 / ISO 37
Longitudinal Change	±5%	QA/TP/51
Torching	No Split	QA/TP/07
Flammability	Flame Retardant	VW – 1 / UL 224
<b>Thermal Ageing Tests (120 for 500 hours)</b>		
Ultimate Elongation	200% (min)	ASTM D – 412 / ISO 37
Tensile Strength	10 N/sqmm (min)	ASTM D – 412 / ISO 37
Brittleness Temperature	-40°C (min)	ASTM D - 2671
Heat Shock (30 min, 200°C)	No Dripping or Cracking	ASTM D -2671
<b>Electrical Properties</b>		
Dielectric Strength	20kV/mm (min)	ASTM D – 149 / IEC 243
Volume Resistivity	1x10 <sup>14</sup> Ohm-cm	ASTM D – 257 / IEC 93
<b>Chemical Properties</b>		
Fungus Resistance	1 (max)	ASTM G - 21
Chemical resistance immersion in following liquids NaOH (40%), H <sub>2</sub> SO <sub>4</sub> (3%), Toluene acetone for 24 hrs at room temperature	Good (no change in Appearance)	ISO 175

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DATA SHEET

RITTA 4:1 17/01