

# Thermal Memory Ltd

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**HST** is a semi-rigid polyvinylchloride PVC commercial grade heat-shrink tubing with UL approval. **HST** is ideal for insulating low voltage busbars, battery leads, connectors, wires & cables for various domestic equipment applications & can be used in other applications.

**HST** should be stored away from direct sunlight at below **+25°C** & used within "90 days of delivery."

## Operating Temperature

**-30°C to +105°C**

Shrink temperature **+100°C to +160°C**

## Main features

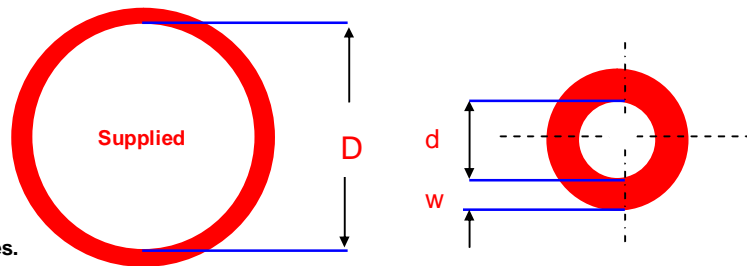
Shrink ratio 2:1

Flame retarded : Black & Colours

Diameter range : 3.2 to 101.6mm

Flammability : Passes UL224 approved

Clear has very good clarity for viewing substrates.



Size	Inside Diameter		Fully recovered		# Wall thickness	
	Supplied D (min) mm	expanded (inches) mm	d (max) (inches) mm	(inches) mm	w (nom) (inches) mm	Fully recovered (inches) mm
3.2/1.6	3.2	(0.125)	1.6	(0.063)	0.51	(0.020)
4.8/2.4	4.8	(0.187)	2.4	(0.093)	0.51	(0.020)
6.4/3.2	6.4	(0.250)	3.2	(0.125)	0.64	(0.025)
9.5/4.8	9.5	(0.375)	4.8	(0.187)	0.64	(0.025)
12.7/6.4	12.7	(0.500)	6.4	(0.250)	0.64	(0.025)
19.0/9.5	19.0	(0.750)	9.5	(0.375)	0.76	(0.030)
25.4/12.7	25.4	(1.000)	12.7	(0.500)	0.89	(0.035)
38.0/19.0	38.0	(1.500)	19.0	(0.750)	1.02	(0.040)
50.8/25.4	50.8	(2.000)	25.4	(1.000)	1.14	(0.045)
76.2/38.1	76.2	(3.000)	38.1	(1.500)	1.27	(0.050)
101.6/50.8	101.6	(4.000)	50.8	(2.000)	1.40	(0.055)

# If tubing is restricted in any way, this will cause the wall thickness to differ from the actual nominal dimensions stated above.

E&OE

\*76.2mm and 101.6mm - Black only.

**Colour:** \*0 Black, X Clear which is not flame retardant). Other colours available to order.

**Sizes required** Refer to dimensions data above and select the size needed to fit snugly over all the area of the component (preferably +20% or +30%)

**For ordering** Specify the code type, sizes, colours & quantities. (Example HST 50.8-0)

**Shrinking instructions** Hold your heat-gun approx **8 inches away** from the tubing to **stop the sleeve splitting** along the creased edges.

## Technical specification.

Properties	Test Method	Typical values
Tensile strength	ISO 37	23 MPa
Ultimate elongation	ISO 37	300 %
Longitudinal shrinkage	ASTM D2671	± 10 %
Heat shock 4hrs @ <b>+180°C</b>	UL 224	No dripping, flowing or cracking.
Flammability	UL 224	passes VW-1 rated to UL224
Dielectric strength	IEC 243	20kV/mm
Low temperature flexibility at <b>-30°C</b>	UL 224	passes