

- Operating temperature range -40°C to +105°C
- Low smoke emission
- System 100 tubing
- Shrink ratio 2:1

ZHTM

Heat-shrinkable, flexible tubing with low toxicity index for fire safety applications

Raychem

Raychem ZHTM is a flexible, thick walled, heat-shrinkable tubing to be used in conjunction with -100 moulded parts and Zerohal cable to form Raychem System 100. The material exhibits excellent fire safety characteristics combined with low

smoke emission or evolution of acid gases, whilst retaining good mechanical and fluid-resistant properties.

Insulation and protection of cables, harnesses and electrical and electronic components used in enclosed spaces

such as marine, mass transit systems and offshore installations, or where equipment would be irreparably damaged by corrosive products of combustion.

Temperature rating

Operating temperature range:	-40°C to +105°C
Minimum shrink temperature:	+80°C
Minimum full recovery temperature:	+121°C

Ordering information



Inside diameter		Wall thickness	Standard package		
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Total wall recovered after heating	Spool quantity	Weight	Ordering description
mm	mm	mm	m	g/m	
3.0	1.5	0.70	60	6	ZHTM-3/1.5-0
5.0	2.5	0.75	60	10	ZHTM-5/2.5-0
8.0	4.0	0.80	60	16	ZHTM-8/4-0
12.0	6.0	0.90	30	26	ZHTM-12/6-0
18.0	9.0	1.00	30	42	ZHTM-18/9-0
24.0	12.0	1.10	30	60	ZHTM- 24/12-0
40.0	20.0	1.30	30	116	ZHTM- 40/20-0
50.0	30.0	1.50	15	198	ZHTM- 50/30-0

The largest size which will recover snugly over the component to be covered should be ordered.

The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.

Other lengths and sizes are available subject to special order.

Standard colours

Colour	Black
Code	0

ZHTM

Approvals

Def Stan 59-97 Issue 3 Type 8	VG 95343 Part 5 Type L
BR 1326	VDE 0341/Pt 9005
BS 4G-198 Part 3 Type 15	

Performance

Test	Test method	Test requirement
Oxygen Index:	ISO 4589 Part 2	29 (min)
Oxygen Index at elevated temperature	ISO 4589 Part 3	250 (min)
Smoke Index:	IEC 60684	20 (max)
Combustion products index:	IEC 60684	5 (max)
Acid gas generation:	RW 2058 (clause 4.16)	1.5% (max) HCL equivalent
Flammability:	ASTM D2671 (Procedure B)	Duration of burning 60 s (max)

For full product performance details consult Raychem Specification RW 2058.

Specifications

Raychem Specification RW 2058.
Material Safety Data Sheet available on request.
Installation instructions available on request.

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