

Semiflexible, Dual Wall, Moisture-Resistant, Heat-Shrinkable Tubing

Product Facts

- 4:1 shrink ratio
- Environmental sealing
- High-strength bonding
- Well-suited connector sealing covering large diameter differences
- RoHS compliant

HTAT



Applications

Designed to provide environmental sealing for a range of substrates, at elevated temperatures. Manufactured by TE from radiation-crosslinked polyolefins, the inner wall melts when heated and is forced into interstices by the shrinking of the outer wall so that, when cooled, the substrate is encapsulated by a tough, protective moisture barrier.

An operating range of -55°C to 125°C [-67°F to 257°F] and a high-shrink-ratio as standard, mean that the tubing offers superior environmental protection to a wide range of irregular shapes with varying dimensions. The jacket is flame-retardant to reduce flame propagation.

Installation

Minimum shrink temperature: 80°C [176°F]
 Minimum full recovery temperature: 110°C [230°F]

Operating Temperature Range

-55°C to 125°C [-67°F to 257°F]

Specifications/Approvals

| | |
|---------------|----------------|
| Series | Raychem |
| HTAT | RW-2052 |

| | | | |
|----------------------|-----------------|---------------|---------------------|
| Available in: | Americas | Europe | Asia Pacific |
| | ■ | ■ | ■ |

HTAT (Continued)

Product Dimensions

| Size | Inside Diameter | | Recovered Wall Thickness* | |
|-------|------------------------------|---------------------------------|----------------------------------|-------------------------------------|
| | Minimum Expanded as Supplied | Maximum Recovered After Heating | Nominal Total Wall After Heating | Nominal Adhesive Wall After Heating |
| 4/1 | 4.0 [0.158] | 1.0 [0.039] | 1.00 [0.039] | 0.40 [0.016] |
| 8/2 | 8.0 [0.315] | 2.0 [0.079] | 1.00 [0.039] | 0.50 [0.020] |
| 12/3 | 12.0 [0.472] | 3.0 [0.118] | 1.40 [0.055] | 0.60 [0.024] |
| 16/4 | 16.0 [0.630] | 4.0 [0.158] | 1.75 [0.069] | 0.75 [0.030] |
| 24/6 | 24.0 [0.945] | 6.0 [0.236] | 2.25 [0.088] | 0.80 [0.032] |
| 32/8 | 32.0 [1.260] | 8.0 [0.315] | 2.50 [0.098] | 1.00 [0.039] |
| 48/13 | 48.0 [1.890] | 13.0 [0.512] | 2.55 [0.100] | 1.00 [0.039] |

*Wall thickness will be less if tubing recovery is restricted during shrinkage.

Ordering Information

| | | |
|----------------------|---|------------|
| Color | Standard | Black (-0) |
| Size selection | Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request. | |
| Standard packaging | In 1.2-meter [4-foot] lengths. | |
| Ordering description | Specify product name, size and color (for example, HTAT 8/2-0). | |

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