

**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**

|               |                |
|---------------|----------------|
| <b>Series</b> | <b>Raychem</b> |
| HTAT          | RW-2052        |

|                      |                 |               |                     |
|----------------------|-----------------|---------------|---------------------|
| <b>Available in:</b> | <b>Americas</b> | <b>Europe</b> | <b>Asia Pacific</b> |
|                      | ■               | ■             | ■                   |

**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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