

Heat
Shrinkable
Tubing

OBSOLETE

RT-876

*Very flexible,
very flame-retarded,
low shrink temperature
polyolefin*

38

Applications

Jacketing for wire bundles, lightweight harnesses; provides excellent flexibility and quick shrinking; use in applications requiring MIL-R-46846.

Installation

Apply heat above 100°C. RT-876 will shrink to 50% of its supplied diameter and conform to the object it covers.

Specifications

| Type | Raychem | Military | Industry | UL |
|--------|---------|---|----------|------------------|
| RT-876 | RT-876 | MIL-R-46846, Type V Cl. I MIL-R-81786 (AS) | AMS 3587 | E35586 E46645 |

Typical Properties*

Physical

| | |
|--|---|
| Tensile strength | 1800 psi |
| Ultimate elongation | 300% |
| Longitudinal change | - 5% max. |
| Low temperature flexibility (4 hr/ - 55°C) | No cracking |
| Heat shock (4 hr/250°C) | No dripping, flowing or cracking; Passes mandrel wrap test |
| Heat resistance (168 hr/175°C) | Elongation 250% |

Electrical

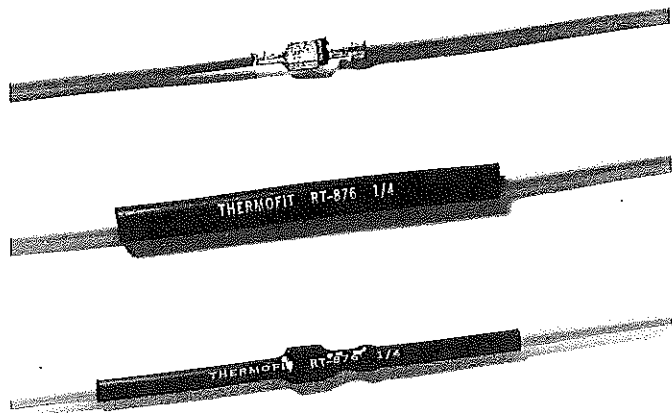
| | |
|---------------------|-------------------------|
| Dielectric strength | 800 volts/mil |
| Volume resistivity | 10 ¹³ ohm-cm |

Chemical

| | |
|-------------------|--|
| Corrosive effect | Noncorrosive |
| Flammability | Average burn time < 5 sec. (ASTM D876) |
| Fungus resistance | Inert |
| Water absorption | 0.2% |

Sc
Or
Or
Si
3/8
1/1
3/8
1/8
3/1
1/4
3/8
1/2
3/4
1
1-1
2
3
4
No
1.
2.

Heat
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Tubing



Very flame-retarded
(Meets ASTM D876)
Low shrink temperature
Five standard colors
-55°C to 135°C

39

Solvent resistance (24 hr/25°C)

JP4, Skydrol† 500, aviation gasoline,
hydraulic fluid

Tensile strength: 1000 psi

Dielectric strength: 600 volts/mil

*Specific minimum requirements and test methods are given in Raychem specification RT-876.

†Trademark Monsanto Company.

Ordering Data (dimensions in inches)

| Ordering Size | Inside Diameter | | Wall |
|---------------|-----------------|------------------|---------------------|
| | Expanded (Min.) | Recovered (Max.) | Recovered (Nominal) |
| 3/64 | .046 | .023 | .016 |
| 1/16 | .063 | .031 | .017 |
| 3/32 | .093 | .046 | .020 |
| 1/8 | .125 | .062 | .020 |
| 3/16 | .187 | .093 | .023 |
| 1/4 | .250 | .125 | .028 |
| 3/8 | .375 | .187 | .028 |
| 1/2 | .500 | .250 | .028 |
| 3/4 | .750 | .375 | .033 |
| 1 | 1.000 | .500 | .035 |
| 1-1/2 | 1.500 | .750 | .040 |
| 2 | 2.000 | 1.000 | .045 |
| 3 | 3.000 | 1.500 | .050 |
| 4 | 4.000 | 2.000 | .055 |

Notes:

1. Available in standard colors: black, yellow, red, white & blue. Other colors available on special order.
2. Available cut to specified lengths, standard 4' lengths or on reels.