

RW-200/RW-200-E

Heat-Shrinkable, Chemical-Resistant, High-Temperature Tubing

Product Facts

- High resistance to impact and abrasion
- Resistance to a wide variety of fuels, lubricants, acids, and solvents at elevated temperatures
- Flexibility at low temperatures without cracking
- RoHS compliant



Applications

Raychem premium heat-shrinkable tubing is fabricated from Viton® fluoroelastomers – a crosslinked material designed for a wide range of applications. It is available in two configurations. RW-200-E is the thickest wall version. RW-200 has the thinnest wall for lighter weight applications.

Offering fluid resistance, RW-200 tubing can be used in applications up to 200°C [392°F].

Installation

Minimum shrink temperature: 100°C [212°F]
Minimum full recovery temperature: 175°C [347°F]

Operating Temperature Range

RW-200: -40°C* to 200°C [-40°F to 392°F]
RW-200-E: -55°C to 200°C [-67°F to 392°F]

Specifications/Approvals

| Series | Military | Raychem |
|----------|---|---------|
| RW-200 | AMS-DTL 23053/13* | RW-3037 |
| RW-200-E | Def. Stan. 59-97 Issue 3 Type 4A VG 95343 Part 5 Type E VDE 0341/Pt9005 BS 4G-198 Part 3 12A | RW-3037 |

*Formerly MIL-I-23053/13 and MIL-DTL-23053/13.

Viton is a trademark of Dupont Performance Elastomers LLC.

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

RW-200/RW-200-E (Continued)

Product Dimensions

| Size | Inside Diameter | | Recovered Wall Thickness** | |
|-------|------------------------------|---------------------------------|----------------------------|--------------|
| | Minimum Expanded as Supplied | Maximum Recovered After Heating | After Heating (Nominal) | |
| | | | RW-200-E | RW-200 |
| 1/8 | 3.2 [0.125] | 1.6 [0.062] | 0.76 [0.030] | 0.76 [0.030] |
| 3/16 | 4.8 [0.187] | 2.4 [0.093] | 0.84 [0.033] | 0.89 [0.035] |
| 1/4 | 6.4 [0.250] | 3.2 [0.125] | 0.89 [0.035] | 0.89 [0.035] |
| 3/8 | 9.5 [0.375] | 4.8 [0.187] | 1.02 [0.040] | 0.89 [0.035] |
| 1/2 | 12.7 [0.500] | 6.4 [0.250] | 1.22 [0.048] | 0.89 [0.035] |
| 5/8 | 15.9 [0.625] | 7.9 [0.312] | — | 1.07 [0.042] |
| 3/4 | 19.1 [0.750] | 9.5 [0.375] | 1.45 [0.057] | 1.07 [0.042] |
| 7/8 | 22.2 [0.875] | 11.1 [0.437] | — | 1.25 [0.049] |
| 1 | 25.4 [1.000] | 12.7 [0.500] | 1.78 [0.070] | 1.25 [0.049] |
| 1 1/4 | 31.8 [1.250] | 15.9 [0.625] | — | 1.40 [0.055] |
| 1 1/2 | 38.1 [1.500] | 19.1 [0.750] | 2.41 [0.095] | 1.40 [0.055] |
| 2 | 50.8 [2.000] | 25.4 [1.000] | 2.79 [0.110] | 1.65 [0.065] |

**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 | On spools. | |
| Ordering description*** | Specify product name, size and color (for example, Viton 1/4-0). | |

***Europe only. For supply to MIL, Def Stan and BS add -MS, -DS or -BS to ordering description.