

High temperature,
Chemical-Resistant,
Polyvinylidene Fluoride
Tubing

Product Facts

- 2:1 shrink ratio
- Tough, semirigid, very-thin-wall insulation
- High flame-resistance, meeting the requirements of AMS-DTL-23053*, Test C, with UL and CSA VW-1 rating
- High-temperature performance that meets or exceeds military and industrial standards
- Protection from most industrial solvents, fuels, and chemicals
- Recommended maximum temperature for use as a primary insulator: 135°C [275°F]



Special Purpose Tubing

RW-175



Applications

Especially suitable for applications requiring high-temperature performance, outstanding abrasion resistance and cut-through resistance, or superior chemical and solvent properties. Provides electrical insulation and strain relief of multipin connectors and solder joints. Ideal for applications that require dense packing of components or visual inspection of covered components.



Installation

Minimum shrink temperature: 155°C [311°F]
Minimum full recovery temperature: 175°C [347°F]

Operating Temperature Range

-55°C to 175°C
[-67°F to 347°F]

Specifications/Approvals

| Series | UL  | CSA  | Military | Industry | Raychem |
|--------|--|---|--|------------------|------------------------|
| RW-175 | E35586 VW-1 600 V, 150°C | LR31929 VW-1 600 V, 150°C | AMS-DTL-23053/8* Def. Stan. 59-97 Type 3 VG 95343 Pt 5 Type F BS 3G 198 Pt4 | VDE 0341 Pt 9005 | RW-3029/1 RW-3029/2 |

*Formerly MIL-I-23053 and MIL-DTL-23053/8.

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

Product Dimensions

RW-175 (Continued)

| Size | Inside Diameter | | Recovered Wall Thickness** After Heating |
|-------|------------------------------|---------------------------------|--|
| | Minimum Expanded as Supplied | Maximum Recovered After Heating | |
| 3/64 | 1.2 [0.046] | 0.6 [0.023] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 1/16 | 1.6 [0.063] | 0.8 [0.031] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 3/32 | 2.4 [0.093] | 1.2 [0.046] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 1/8 | 3.2 [0.125] | 1.6 [0.062] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 3/16 | 4.8 [0.187] | 2.4 [0.093] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 1/4 | 6.4 [0.250] | 3.2 [0.125] | 0.33 ± 0.05 [0.013 ± 0.002] |
| 3/8 | 9.5 [0.375] | 4.8 [0.187] | 0.33 ± 0.05 [0.013 ± 0.002] |
| 1/2 | 12.7 [0.500] | 6.4 [0.250] | 0.33 ± 0.05 [0.013 ± 0.002] |
| 3/4 | 19.1 [0.750] | 9.5 [0.375] | 0.43 ± 0.08 [0.017 ± 0.003] |
| 1 | 25.4 [1.000] | 12.7 [0.500] | 0.48 ± 0.08 [0.019 ± 0.003] |
| 1 1/2 | 38.1 [1.500] | 19.1 [0.750] | 0.51 ± 0.08 [0.020 ± 0.003] |

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

Ordering Information

| | | |
|-------------------------|---|------------|
| Color | Standard | Clear (-X) |
| | Nonstandard | 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, RW-175 3/64-X). | |

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