

RNF-3000

Flexible, High-Shrink-Ratio, Flame-Retardant, General Purpose, Polyolefin Tubing

Product Facts

- 3:1 shrink ratio easily accommodates awkward, irregular shapes
- Few sizes cover a wide range of diameters, allowing reduced inventory
- Excellent physical, chemical, and electrical properties meet industry standards for highly reliable, general purpose tubing
- Flame-retardant (colors only)
- RoHS compliant



Applications

Used for insulation and strain relief of wire terminations and electrical connections. Also suitable for light-duty harnessing, jacketing, and identification of wires, cables, and electrical and electronic components.

Installation

Minimum shrink temperature: 80°C [176°F]
 Minimum full recovery temperature: 120°C [248°F]

Operating Temperature Range

-55°C to 135°C
 [-67°F to 275°F]

Specifications/Approvals

| Series | UL  | CSA  | Military | Industry | Raychem |
|----------|--|---|--|----------------------------------|---------|
| RNF-3000 | E35586 600 V, 125°C | LR31929 600 V, 125°C | Def. Stan. 59-97 Type 2B VG 95343 Pt 5 Type A (color) VG 95343 Pt 5 Type B (clear) | VDE 0341 Pt 9005 Type A and B | RW-2053 |

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
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RNF-3000 (Continued)

Product Dimensions

| Size | Inside Diameter | | Recovered Wall Thickness* |
|---------|------------------------------|---------------------------------|-----------------------------|
| | Minimum Expanded as Supplied | Maximum Recovered After Heating | After Heating |
| 1.5/0.5 | 1.5 [0.060] | 0.5 [0.019] | 0.45 ± 0.10 [0.018 ± 0.003] |
| 3/1 | 3 [0.118] | 1 [0.039] | 0.55 ± 0.10 [0.022 ± 0.003] |
| 4.5/1.5 | 4.5 [0.177] | 1.5 [0.059] | 0.55 ± 0.10 [0.022 ± 0.003] |
| 6/2 | 6 [0.236] | 2 [0.079] | 0.65 ± 0.10 [0.026 ± 0.003] |
| 9/3 | 9 [0.354] | 3 [0.118] | 0.75 ± 0.12 [0.030 ± 0.004] |
| 12/4 | 12 [0.472] | 4 [0.157] | 0.75 ± 0.12 [0.030 ± 0.004] |
| 18/6 | 18 [0.709] | 6 [0.236] | 0.85 ± 0.12 [0.033 ± 0.004] |
| 24/8 | 24 [0.944] | 8 [0.315] | 1.00 ± 0.18 [0.039 ± 0.007] |
| 39/13 | 39 [1.534] | 13 [0.512] | 1.15 ± 0.20 [0.045 ± 0.008] |

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

Ordering Information

| | | |
|--------------------------|---|--|
| Color | Standard** | Black (-0), white (-9), red (-2), blue (-6), yellow (-4), clear (-X) |
| | Nonstandard | Brown (-1), orange (-3), green (-5), violet (-7), gray (-8) |
| 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 or in 1.2-meter [4-foot] lengths. | |
| Ordering description**** | Specify product name, size and color (for example, RNF-3000 6/2-0). | |

**Black is the only standard color in the Americas. All other colors are nonstandard.

***Only spools are standard in the Americas. 1.2 meter [4-foot] lengths are nonstandard.

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