

RNF-100

Flexible, Flame-Retardant, General Purpose, **Polyolefin Tubing**

Product Facts

- 2:1 shrink ratio
- Superior abrasion and solvent resistance when compared with that of many flexible, general purpose polyolefin tubings
- Excellent physical, chemical, and electrical properties that meet or exceed industrial and military standards for highly reliable, general purpose tubing
- Flexible; conforms to irregular shapes
- Flame-retardant (colors) only)
- Wide range of sizes and colors
- RoHS compliant



Applications

Designed to provide superior mechanical (abrasion, cutthrough, and strain relief), thermal, and fluid-resistance performance in demanding environments. Widely used to provide insulation and strain relief of wire terminations and connections. Used for jacketing wire bundles and light-duty harnesses where superior abrasion resistance is a plus. Also used to identify and colorcode electrical connections and wire bundles.

Installation

Minimum shrink temperature: 95°C [203°F] Minimum full recovery temperature: 121°C [250°F]

Operating Temperature Range

-55°C to 135°C [-67°F to 275°F]

Specifications/Approvals

Series	UL N	CSA 🚯	Military	Industry	Raychem
RNF-100 Type 1 (colors)	E35586 600 V, 125°C	LR31929 600 V, 125°C	AMS-DTL-23053/5*, Class 1 Def. Stan. 59-97 Type 2B	VDE 0341 Pt 9005 Type A and B	RT-350, Type 1 RK-6001
RNF-100 Type 2 (clear)	_	_	AMS-DTL-23053/5*, Class 2 VG 95343 Pt 5 Type B	_	RT-350, Type 2 RK-6001

*Formerly MIL-I-23053/5 and MIL-DTL-23053/5.

	Available in	n: Americas	Europe	Asia Pacific	
					1-89
9-1773447-9 CIS WR 08/2011	Dimensions are in inches and millimeters unless otherwise specified. Values in brackets	Dimensions are shown for reference purposes only. Specifications subject	USA: 1-800-522-6752 Canada: 1-905-475-6222 Mexico: 52-55-1106-0800	Germany: 49-6251-133-1999 China: 86-400-820-6015 Japan: 81-44-844-8013	
te.com	are metric equivalents.	to change.	L. & S. America: 54-11-4733-2200	UK: 44-800-267-666	



RNF-100 (Continued)

Product Dimensions

Size	Inside I	Recovered Wall Thickness**	
	Minimum Expanded as Supplied	Maximum Recovered After Heating	After Heating
3/64	1.2 [0.046]	0.6 [0.023]	0.40 ± 0.08 [0.016 ± 0.003]
1/16	1.6 [0.063]	0.8 [0.031]	0.43 ± 0.08 [0.017 ± 0.003]
3/32	2.4 [0.093]	1.2 [0.046]	0.51 ± 0.08 [0.020 ± 0.003]
1/8	3.2 [0.125]	1.6 [0.062]	0.51 ± 0.08 [0.020 ± 0.003]
3/16	4.8 [0.187]	2.4 [0.093]	0.51 ± 0.08 [0.020 ± 0.003]
1/4	6.4 [0.250]	3.2 [0.125]	0.64 ± 0.08 [0.025 ± 0.003]
3/8	9.5 [0.375]	4.8 [0.187]	0.64 ± 0.08 [0.025 ± 0.003]
1/2	12.7 [0.500]	6.4 [0.250]	0.64 ± 0.08 [0.025 ± 0.003]
3/4	19.1 [0.750]	9.5 [0.375]	0.76 ± 0.08 [0.030 ± 0.003]
1	25.4 [1.000]	12.7 [0.500]	0.89 ± 0.12 [0.035 ± 0.005]
1/4	31.8 [1.250]	15.9 [0.625]	1.02 ± 0.15 [0.040 ± 0.006]
1/2	38.1 [1.500]	19.1 [0.750]	1.02 ± 0.15 [0.040 ± 0.006]
2	50.8 [2.000]	25.4 [1.000]	1.14 ± 0.16 [0.045 ± 0.007]
3	76.2 [3.000]	38.1 [1.500]	1.27 ± 0.20 [0.050 ± 0.008]
4	101.6 [4.000]	50.8 [2.000]	1.40 ± 0.23 [0.055 ± 0.009]
5	127.0 [5.000]	63.5 [2.500]	1.52 ± 0.23 [0.060 ± 0.009]

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

Ordering Information

Color	Standard	Black (-0, BK), white (-9, WH), red (-2, RD), blue (-6, BU), yellow (-4, YO), clear (-X, CL)		
	Nonstandard	Brown (-1, BN), orange (-3, OR), green (-5, GN), violet (-7, VT), gray (-8, GY)		
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-100 1/4-0 [Europe] or RNF-100 1/4-BK [Americas]. 			
	and Mini On and an also aim a /ali			

Available in the convenient Mini-Spool packaging/dispensing system, for sizes 3/64" up to 1". *Europe only. For supply to MIL, Def Stan and BS add -MS, -DS or -BS to ordering description.

1-90

9-1773447-9 CIS WR 08/2011

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millimeters unless otherwise specified. Values in brackets are metric equivalents.

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 770-018S103
 770-018S202W1
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 MFP-3/64"-Clear
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 MIL-LT-1/2-2-STK
 MIL-LT-3/0-SP
 MIL-LT-3/32-0-SP
 MIL-LT-3/32-6-SP

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 MIL-LT-3/4-6-SP
 839602-000
 8423-6
 FP301-116-48"-Clear
 FP301-12-6"-Clear
 FP301-1/4-48"-White-Hdr

 FP301-18-48"-Black-Hdr
 FP301-1/8-6"-Black
 FP301-18-6"-Black-Bulk
 FP301-316-48"-Blue-Hdr
 912229N002
 R280637030
 HDCW-5515

 1000
 HDT-0300-48A-BLACK
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 HDT1500-48A-BLK
 HDT-2000-48A

 Black
 RHW-70/20-1200/ADH-0
 DWP-125-0.450-4-55MM-CS879
 156082-000
 MT5500-3/8-X-SP
 SP