chanhvinh.com

RNF-100

Flexible, flame-retardant, general purpose polyolefin tubing

Fax-on-Demand: (800) 260-9099
(650) 361-6523

Before ordering check with factory for most current data.

FAX ID	Description
2120	Data sheet
2121	RT-350



Applications

Designed to provide superior mechanical (abrasion, cut-through, 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 color-code electrical connections and wire bundles.

Operating Temperature Range

–55°C to 135°C

Features/Benefits

- 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.

Installation

Minimum shrink temperature: 95°C
Minimum full recovery temperature: 121°C

Specifications/Approvals

Series	UL	CSA	Military	Industry	Raychem
RNF-100 Type 1 (colors)	E35586 600 V, 125°C	LR31929 600 V, 125°C	MIL-DTL-23053/5*, Class 1	VDE 0341 Pt 9005	RT-350, Type 1
			Def. Stan. 59-97 Type 26	Type A and B	RK-6001
RNF-100 Type 2 (clear)			MIL-DTL-23053/5*, Class 2		RT-350, Type 2
			VG 95343 Pt 5 Type B		RK-6001

*Formerly MIL-I-23053/5.

Product Dimensions (mm/*in*)

Size	Inside diameter: Minimum expanded as supplied	Inside diameter: Maximum recovered after heating	Wall thickness: Recovered after heating**
3/64	1.2 *(.046)*	0.6 *(.023)*	.40 ±.08 *(.016 ±.003)*
1/16	1.6 *(.063)*	0.8 *(.031)*	.43 ±.08 *(.017 ±.003)*
3/32	2.4 *(.093)*	1.2 *(.046)*	.51 ±.08 *(.020 ±.003)*
1/8	3.2 *(.125)*	1.6 *(.062)*	.51 ±.08 *(.020 ±.003)*
3/16	4.8 *(.187)*	2.4 *(.093)*	.51 ±.08 *(.020 ±.003)*
1/4	6.4 *(.250)*	3.2 *(.125)*	.64 ±.08 *(.025 ±.003)*
3/8	9.5 *(.375)*	4.8 *(.187)*	.64 ±.08 *(.025 ±.003)*
1/2	12.7 *(.500)*	6.4 *(.250)*	.64 ±.08 *(.025 ±.003)*

Size	Inside diameter: Minimum expanded as supplied	Inside diameter: Maximum recovered after heating	Wall thickness: Recovered after heating**
3/4	19.1 *(.750)*	9.5 *(.375)*	0.76 ±.08 *(.030 ±.003)*
1	25.4 *(1.000)*	12.7 *(.500)*	0.89 ±.12 *(.035 ±.005)*
1 1/4	31.8 *(1.250)*	15.9 *(.625)*	1.02 ±.15 *(.040 ±.006)*
1 1/2	38.1 *(1.500)*	19.1 *(.750)*	1.02 ±.15 *(.040 ±.006)*
2	50.8 *(2.000)*	25.4 *(1.000)*	1.14 ±.16 *(.045 ±.007)*
3	76.2 *(3.000)*	38.1 *(1.500)*	1.27 ±.20 *(.050 ±.008)*
4	101.6 *(4.000)*	50.8 *(2.000)*	1.40 ±.23 *(.055 ±.009)*
5	127.0 *(5.000)*	63.5 *(2.500)*	1.52 ±.23 *(.060 ±.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, BL), yellow (-4, YL), green (-5, GR), clear (-X, CL)
	Nonstandard	Brown (-1, BR), orange (-3, OR), 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 (mm or in), and color (for example, RNF-100 1/4-0 [Eur.] or RNF-100 1/4-BK [U.S.]).	

Users should independently evaluate the suitability of the product for their application.