



RP-4800

High-shrink-ratio, flame-retardant, polyolefin tubing



Applications

Ideal for repairing harnesses or cables; will pass over a large-diameter connector or transition, and then shrink down onto a smaller-diameter jacket. Can insulate or protect a substrate of varying dimensions. Also provides the abrasion and fluid resistance required in harnessing applications.

Operating temperature range

-55°C to 135°C

Features and benefits

- 4:1 shrink ratio.
- Conforms well to highly variable substrate dimensions.
- Has excellent physical, chemical, and electrical properties that meet or exceed industrial and military standards.
- Shows no significant degradation when exposed to common solvents and chemicals, including aviation fuel and hydraulic fluid.

Installation

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

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Specifications/approvals				
Series	UL	Military	Industry	Raychem
RP-4800	E35586 600V, 125°C	AMS-DTL-23053/5*, Class 1 Overexpanded VG 95343 Pt 5 Type A	VDE 0341 Pt 9005 Type A	RT-1122

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

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Fax ID

2150

2151

Description

Data sheet

RT-1 122

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Size	Inside diameter		Recovered wall thickness**
	Minimum expanded as supplied	Maximum recovered after heating	After heating
No. 1	25.4 (1.000)	7.0 (0.275)	1.14±0.18 (0.045±0.007)
No. 2	50.8 (2.000)	14.0 (0.550)	1.14±0.18 (0.045±0.007)
No. 3	76.2 (3.000)	20.6 (0.810)	1.14±0.18 (0.045±0.007)
No. 4	101.6 (4.000)	26.7 (1.050)	1.14±0.18 (0.045±0.007)
No. 5	25.4 (1.000)	11.7 (0.462)	1.14±0.18 (0.045±0.007)
No. 6	60.3 (2.375)	17.3 (0.680)	1.14±0.18 (0.045±0.007)
No. 7	76.2 (3.000)	21.3 (0.840)	1.14±0.18 (0.045±0.007)
No. 8	95.3 (3.750)	23.6 (0.930)	1.14±0.18 (0.045±0.007)
No. 9	114.3 (4.500)	36.8 (1.450)	1.14±0.18 (0.045±0.007)
No. 10	38.1 (1.500)	9.5 (0.375)	1.14±0.18 (0.045±0.007)
No. 11	19.1 (0.750)	4.6 (0.180)	1.14±0.18 (0.045±0.007)

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

Ordering information

Color	Standard	Black (-0)
	Nonstandard	White (-9), red (-2), blue (-6), yellow (-4), green (-5), brown (-1), orange (-3), 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, RP-4800 No. 1-0).	

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

Users should independently evaluate the suitability of the product for their application.
Before ordering check with factory for most current data.

Tubing 3-65

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