

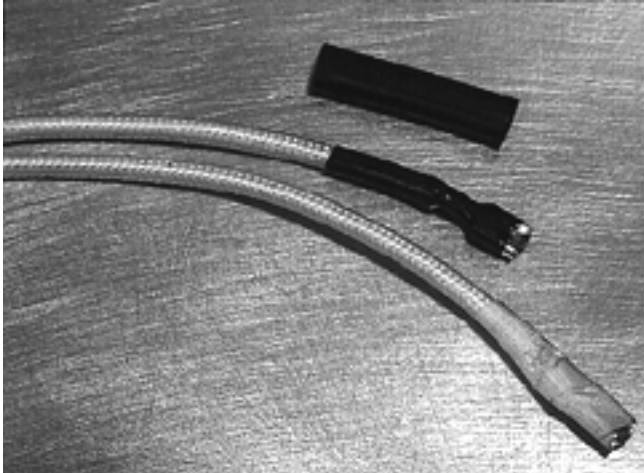
# RT-555

High- and low-temperature, fluid-resistant, chemical-resistant, crosslinked fluoropolymer tubing

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

FAX ID Description  
2580 RW-3013

Before ordering check with  
factory for most current data.



### Applications

Suitable for commercial applications requiring heat resistance (electrical and hydraulic systems near aircraft or automotive engines or in fuel tanks), applications in chemically exposed environments (industrial process equipment in the pulp and paper, steel, and chemical industries), and equipment for handling caustic or dangerous chemicals or inks. Use for insulation and strain relief on appliances (electric ranges, microwave ovens, gas grills, and industrial paint-drying equipment) and for protection of delicate electronic instruments in down-hole applications.

### Operating Temperature Range

-65°C to 200°C

### Features/Benefits

- Resistance to high temperatures, solvents, corrosive chemicals, and radiation.
- Extreme resistance to hydrocarbons.
- Low outgassing (successfully tested for NASA outgassing requirements).
- High flame-retardance.
- Blow-molded shapes and expansion ratios as high as 3:1.
- Indefinite shelf life.
- 40 percent lighter weight than Viton tubing.
- Meets requirements of RT-700.

### Installation

Minimum shrink temperature: 150°C

Minimum full recovery temperature: 220°C

### Specifications/Approvals



Series	UL	Raychem
RT-555 tubing	Listed for 185°C for 100,000-hr continuous use (File E85381) Listed for 200°C for 40,000-hr cumulative intermittent exposure	Tubing RW-3013
Molded boots		RT-1330
Transitions		RT-1334 (150°C per RT-1334)
Adhesive		RT-1255

### Product Dimensions (mm/in)

Size	Inside diameter		Wall thickness recovered after heating*		
	Minimum expanded as supplied	Maximum recovered after heating	Minimum	Maximum	Nominal
1/8	3.18 (.125)	1.57 (.062)	.25 (.010)	.41 (.016)	.30 (.012)
3/16	4.75 (.187)	2.36 (.093)	.28 (.011)	.46 (.018)	.36 (.014)
1/4	6.35 (.250)	3.18 (.125)	.33 (.013)	.51 (.020)	.41 (.016)
3/8	9.53 (.375)	4.75 (.187)	.41 (.016)	.58 (.023)	.48 (.019)
1/2	12.70 (.500)	6.35 (.250)	.41 (.016)	.58 (.023)	.48 (.019)
5/8	15.88 (.625)	7.95 (.313)	.48 (.019)	.66 (.026)	.56 (.022)
3/4	19.05 (.750)	9.53 (.375)	.61 (.024)	.79 (.031)	.69 (.027)
1	25.40 (1.000)	12.70 (.500)	.71 (.028)	.89 (.035)	.79 (.031)
1 1/4	31.75 (1.250)	15.88 (.625)	.76 (.030)	.94 (.037)	.84 (.033)
1 1/2	38.10 (1.500)	19.05 (.750)	.86 (.034)	1.04 (.041)	.94 (.037)
2	50.80 (2.000)	25.40 (1.000)	.94 (.037)	1.12 (.044)	1.02 (.040)

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

### Ordering Information

Color	Standard      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	On spools.
Ordering description	Specify product name, size, and color (for example, RT-555 1/8-0).

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3-38 Tubing **Raychem**

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