



RT555

Fluid-resistant, chemical-resistant, crosslinked fluoropolymer tubing with extended temperature range



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 and benefits

- Resistance to high temperatures, solvents, corrosive chemicals, and radiation.
- Extreme resistance to hydrocarbons.
- Low outgassing (successfully tested for NASA outgassing requirements).
- Highly flame-retardant.
- 40 percent lighter weight than Viton tubing.
- Meets requirements of RT-700.
- System 300 tubing.

Installation

Minimum shrink temperature: 150°C

Minimum full recovery temperature: 220°C

Available in:

Americas

Europe

Asia Pacific



Specifications/approvals



Series

UL

Military

Raychem

RT555

Listed for 185°C for 100,000-hr continuous use (File E85381)

AR70-75

RT-555

Listed for 200°C for 40,000-hr cumulative intermittent exposure

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Fax ID

2580

2581

Description

RT-555

Data sheet

Visit our website at www.tycoelectronics.com**Product dimensions (mm/in)**

Size	Inside diameter		Recovered wall thickness*		
	Minimum expanded as supplied	Maximum recovered after heating	After heating		
			Minimum	Maximum	Nominal
1/8	3.18 (0.125)	1.57 (0.062)	0.25 (0.010)	0.41 (0.016)	0.30 (0.012)
3/16	4.75 (0.187)	2.36 (0.093)	0.28 (0.011)	0.46 (0.018)	0.36 (0.014)
1/4	6.35 (0.250)	3.18 (0.125)	0.33 (0.013)	0.51 (0.020)	0.41 (0.016)
3/8	9.53 (0.375)	4.75 (0.187)	0.41 (0.016)	0.58 (0.023)	0.48 (0.019)
1/2	12.70 (0.500)	6.35 (0.250)	0.41 (0.016)	0.58 (0.023)	0.48 (0.019)
5/8	15.88 (0.625)	7.95 (0.313)	0.48 (0.019)	0.66 (0.026)	0.56 (0.022)
3/4	19.05 (0.750)	9.53 (0.375)	0.61 (0.024)	0.79 (0.031)	0.69 (0.027)
1	25.40 (1.000)	12.70 (0.500)	0.71 (0.028)	0.89 (0.035)	0.79 (0.031)
1 1/4	31.75 (1.250)	15.88 (0.625)	0.76 (0.030)	0.94 (0.037)	0.84 (0.033)
1 1/2	38.10 (1.500)	19.05 (0.750)	0.86 (0.034)	1.04 (0.041)	0.94 (0.037)
2	50.80 (2.000)	25.40 (1.000)	0.94 (0.037)	1.12 (0.044)	1.02 (0.040)

*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, RT555 1/8-0).	