

- Excellent chemical resistance
- Excellent abrasion resistance
- 2:1 shrink ratio

RW-175

High temperature and fluid resistant, extra tough, semi-rigid heat-shrinkable tubing

Raychem

RW-175 is an extremely tough, high temperature, thin wall insulation tubing. This transparent, non-burning, semi-rigid tubing has superior resistance to most industrial fuels, solvents and chemicals.

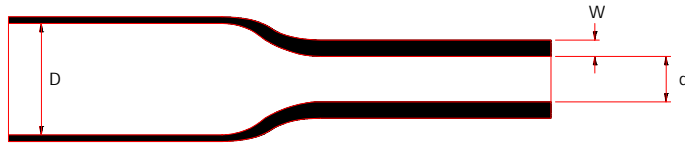
Designed for applications requiring strain relief at temperatures up to 175°C, this product is unusually tough in its resistance to abrasion and cut through. Typical applications include high

temperature applications, protection, strain relief, chemical resistance, mechanical and abrasion protection.

Temperature rating

Operating temperature range:	-55°C to +175°C
Minimum shrink temperature:	+155°C
Minimum full recovery temperature:	+175°C

Ordering information



Inside diameter		Wall thickness	Standard package	
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Recovered after heating	1.22m Length quantity	Ordering description
mm	mm	mm	m	
1.2	0.6	0.25	60	RW-175- ³ / ₆₄ -X
1.6	0.8	0.25	60	RW-175- ¹ / ₁₆ -X
2.4	1.2	0.27	60	RW-175- ³ / ₃₂ -X
3.2	1.6	0.27	60	RW-175- ¹ / ₈ -X
4.8	2.4	0.27	60	RW-175- ³ / ₁₆ -X
6.4	3.2	0.33	30	RW-175- ¹ / ₄ -X
9.5	4.8	0.33	30	RW-175- ³ / ₈ -X
12.7	6.4	0.33	30	RW-175- ¹ / ₂ -X
19.0	9.5	0.43	30	RW-175- ³ / ₄ -X
25.4	12.7	0.48	30	RW-175-1-X
38.1	19.1	0.51	12	RW-175-1 ¹ / ₂ -X

Standard colours

Colour	Clear
Code	X

RW-175

Approvals

UL 224 E35586 VW-1	Def Stan 59-97 Type 3
CSA LR31929	SAE AMS-DTL-23053/8
VG 95343 Part 5 Type F	VDE 0341/Pt 9005
BS 3G 198 Part 4	

Performance

Test	Test method	Test requirement	
Heat Ageing:	IEC 60684 - 2 clause 39 (168h at 200°C)	Tensile strength:	15 MPa (min)
		Elongation:	75% (min)
Corrosion resistance:	IEC 60684 - 2 clause 33 (16h at 175°C)	No corrosion of mirrors	
Breakdown voltage:	IEC 60684 - 2 clause 21	See table in spec	
Flame propagation:	IEC 60684 - 2 clause 26 Method C	15s (max) UL 224 VW1	
Fluid resistance:	IEC 60684 - 2 clause 36	Tensile strength:	25 MPa (min)
		Ultimate elongation:	150% (min)
	Test fluids:	Aircraft fuel to ISO1817 liquid F	(70°C)
		Phosphate ester ISO1817 liquid 103	(23°C)
		Lubricating oil ISO1817 liquid 101	(70°C)

For full product performance details consult Raychem Specification RW-3029/1.

Specifications

Raychem Specification RW-3029/1.

Material Safety Data Sheet available on request.

Installation instructions available on request.

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