

- Outstanding all round performance
- Excellent physical and electrical performance
- Good chemical and solvent resistance
- Flexible

RNF-100

A premium grade flame-retarded polyolefin heat-shrinkable tubing

RNF-100 is a premium grade polyolefin based heat-shrinkable tubing with an outstanding overall balance of properties. The product has a wide range of both military and industrial approvals. RNF-100

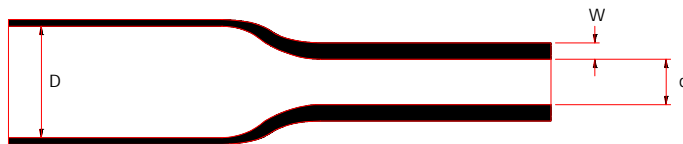
tubing possesses a unique blend of physical, chemical and electrical properties and is suitable for a wide range of applications.

Used extensively in military applications for lightweight harness jackets, insulation, colour coding, identification, protection against fluids and provides mechanical strength.

Temperature rating

Operating temperature range:	-55°C to +135°C
Minimum shrink temperature:	+95°C
Minimum full recovery temperature:	+121°C

Ordering information



Inside diameter		Wall thickness	Standard package		Ordering description
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Recovered after heating	1.2 m Length quantity	Spool quantity	
mm	mm	mm	m	m	
1.2	0.6	0.45	60	300	RNF-100- ³ / ₆₄ -colour code
1.6	0.8	0.45	60	300	RNF-100- ¹ / ₁₆ -colour code
2.4	1.2	0.50	60	150	RNF-100- ³ / ₃₂ -colour code
3.2	1.6	0.50	60	150	RNF-100- ¹ / ₈ -colour code
4.8	2.4	0.50	60	150	RNF-100- ³ / ₁₆ -colour code
6.4	3.2	0.65	36	75	RNF-100- ¹ / ₄ -colour code
9.5	4.8	0.65	36	75	RNF-100- ³ / ₈ -colour code
12.7	6.4	0.65	36	75	RNF-100- ¹ / ₂ -colour code
19.0	9.5	0.75	36	75	RNF-100- ³ / ₄ -colour code
25.4	12.7	0.90	18	30	RNF-100-1-colour code
31.0	16.0	0.95	18	30	RNF-100-1 ¹ / ₄ -colour code
38.0	19.0	1.00	18	30	RNF-100-1 ¹ / ₂ -colour code
51.0	25.4	1.15	12	30	RNF-100-2-colour code
76.0	38.0	1.25	6	15	RNF-100-3-colour code
102.0	51.0	1.40	6	15	RNF-100-4-colour code
127.0	63.5	1.52	6	30	RNF-100-5-colour code

Standard colours

Colour	Clear	Black	Red	Yellow	Green	Blue	White
Code	X	0	2	4	5	6	9

RNF-100

Approvals

*UL File E35586	Def Stan 59-97 Type 2b
*CSA LR31929	MIL-DTL-23053/5 Class 1 (colours), Class 2 (Clear) (exclude 1-3/4)
VG 95343 Part 5 Type A and B	BS 4G-198 Part 3 11B
VDE 0341/Pt 9005	
*Not clear product (X).	

Performance

Test	Test method	Test requirement
Heat Ageing:	ISO 188 (168h at 175°C)	Ultimate elongation: 150% (min)
Corrosion resistance:	ASTM D2671 (16h at 175°C)	No corrosion of mirrors
Dielectric strength:	IEC 243	$\emptyset \leq 25.4$ 20 MV/m $\emptyset > 25.4$ 10 MV/m
Flame retardancy:	ASTM D876 UL 224 (All tube flame test)	Duration of burning 30s max
Fluid resistance:	24 h at 23°C, ISO 37	Tensile strength: 7 MPa (min) Ultimate elongation: 200% (min)
	Test fluids:	Aircraft fuel to ISO1817 liquid B Phosphate ester ISO1817 liquid 103 Lubricating oil ISO1817 liquid 101
For full product performance details consult Raychem Specification RK 6001.		

Specifications

Raychem Specification RK 6001.
Material Safety Data Sheet available on request.
Installation instructions available on request.

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