

Heat
Shrinkable
Tubing

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RT-102

Highly flexible,
very low shrink temperature
flame-retarded polyolefin

Applications

Covering of harnesses or components needing flexibility at extremely low temperature, or where the wire or component cannot tolerate higher shrink temperatures; very fast shrinking.

Installation

Apply heat above 90°C. RT-102 will shrink to 50% of its supplied diameter and conform to the object it covers.

Specifications

Type	Raychem
RT-102	RT-102

Typical Properties*

Physical	
Tensile strength	2000 psi
Ultimate elongation	250%
Longitudinal change	± 5% max.
Heat aging (168 hr/150°C)	
Tensile strength	1400 psi
Ultimate elongation	200%
Heat shock (4 hr/250°C)	No dripping, flowing or cracking
Low temperature flexibility (4 hr/ -70°C)	No cracking

Electrical

Dielectric strength	600 volts/mil
Volume resistivity	10 ¹³ ohm-cm

Chemical

Corrosion resistance	Noncorrosive
Flammability	3-inches (extent of burn area)
Fungus resistance	Inert
Water absorption	0.5%



Low shrink temperature (90°
very fast shrink
Low temperature flexibility
Color - black
-70°C to 125°C

Fluid resistance (24 hr/25°C)

JP4, Skydrol® 500, hydraulic fluid, aviation gasoline, water

Tensile strength: 800 psi
Dielectric strength: 500 volts/mil

*Specific test methods and requirements are given in Raychem specification RT-102.
†Trademark Monsanto Company

Ordering Data (dimensions in inches)

Ordering Size	Inside Diameter		Wall Recovered (Nominal)
	Expanded (Min.)	Recovered (Max.)	
3/64	.046	.023	.016
1/16	.063	.031	.017
3/32	.093	.046	.020
1/8	.125	.062	.020
3/16	.187	.093	.020
1/4	.250	.125	.025
3/8	.375	.187	.025
1/2	.500	.250	.025
3/4	.750	.375	.030
1	1.000	.500	.035
1-1/2	1.500	.750	.040
2	2.000	1.000	.045
3	3.000	1.500	.050
4	4.000	2.000	.055

Notes:

1. Available cut to specified lengths, or on reels.