



S2 Flexible Highly Flame Retardant Heat Shrink Tube

Features

- Highly flame retardant VW-1(except clear)
- Excellent flexibility
- Wide range of colors
- Multiple shrink ratio available
- Operating temperature: -40~125°C
- Shrink temperature: 125°C
- Shrink ratio: 2:1, 3:1, 4:1
- RoHS compliant

Approvals

- UL approval
- File No.: E236437

Dimensions

Reference UPM S2	As supplied(mm) ID min.	After recovered(mm) ID max.	WT nom.	Standard length m
Shrink ratio 2:1				
1.2/0.6	1.2	0.6	0.28	200
1.6/0.8	1.6	0.8	0.32	200
2.4/1.2	2.4	1.2	0.38	200
3.2/1.6	3.2	1.6	0.40	200
4.8/2.4	4.8	2.4	0.52	100
6.4/3.2	6.4	3.2	0.55	100
9.5/4.8	9.5	4.8	0.60	100
12.7/6.4	12.7	6.4	0.65	100
16.0/8.0	16.0	8.0	0.70	100
19.0/9.5	19.0	9.5	0.80	100
25.4/12.7	25.4	12.7	0.90	50
32.0/16.0	32.0	16.0	0.95	50
38.0/19.0	38.1	19.0	1.00	50
50.0/25.0	50.8	25.4	1.10	25
76.0/38.0	76.2	38.1	1.46	25
101.6/51.0	101.6	50.8	1.46	25
Shrink ratio 3:1				
3/1	3.0	1.0	0.60	200
6/2	6.0	2.0	0.70	100
9/3	9.0	3.0	0.80	50
12/4	12.0	4.0	0.85	50
15/5	15.0	5.0	1.00	50
18/6	18.0	6.0	1.00	25
24/8	24.0	8.0	1.20	25
30/10	30.0	10.0	1.20	25
39/13	39.0	13.0	1.25	1/1.22
51/17	51.0	17.0	1.40	1/1.22
Shrink ratio 4:1				
4/1	4.0	1.0	0.75	100
8/2	8.0	2.0	0.90	50
12/3	12.0	3.0	1.10	1/1.22
16/4	16.0	4.0	1.20	1/1.22
24/6	24.0	6.0	1.50	1/1.22
32/8	32.0	8.0	1.50	1/1.22
36/9	36.0	9.0	1.80	1/1.22
52/13	52.0	13.0	2.50	1/1.22

Technical Data

	Property	Test Method	Values	
Physical	Tensile strength	When test at 500mm/min	≥ 10.4 MPa	
	Breakdown elongation	When test at 500mm/min	≥ 200%	
	Aging (158°C/168hrs)	Tensile strength	When test at 500mm/min	≥ 7.3 MPa
		Breakdown elongation	When test at 500mm/min	≥ 100%
	Density	--	1.15-1.25	
	Thermal endurance	--	125°C	
	Heat shock	4hrs. at 250°C	No cracking, drop or flow	
	Cold bend	1 hour at -30°C	No cracking	
	Water absorption(23°C/24hrs)	--	<0.5%	
	Electrical	Dielectric breakdown voltage	--	≥ AC 2500V
Dielectric voltage Withstand		1min.AC2500V	No breakdown	
Aging (158°C/168hrs)		Dielectric breakdown voltage	--	AC 2500V min. and more than 50% of the value obtained with unaged sample
		Dielectric voltage Withstand	1min.AC2500V	No breakdown
Volume resistivity	--	≥ 10 ¹⁴ Ω.cm		
Chemical	Copper stability	168hr at 158°C 500mm/min	Elongation ≥ 100%	
	Flammability	VW-1	UL224	

Note: The test methods conform to UL224.

- ID=Internal Diameter
- WT=Wall Thickness

Typical application

- Ideal for protecting and bundling of small harnesses, insulation of in-line splices, strain relief of wire connections, and color-coding wires, cables, terminals and electronic components

Ordering

- Standard color : Red, Blue, Yellow, White, Black, Green, Clear
- Special colors are available on request
- Standard packaging on spools and/or 1.22m/pc, 1 m/pc
- Please specify specification, color, quantity when ordering

Cross reference

- Raychem/ Tyco : Versafit



http://www.Union-Polymer.com
Phone: (513) 899 1618
Email: Info@Union-Polymer.com