



S2VC Very Clear Thin Wall Cross-linked Polyolefin Shrink Tubing

Features

- Insulation, Protection, Identification
- Voltage Class : 600-1000 V
- Halogen free, Flexible
- Operating temperature: -55~105 °C
- Shrink temperature: 105 °C
- Shrink Ratio : 2:1 & 3:1

Technical Data

	Property	Test Method	Values
Physical	Density	--	0.95
	Thermal endurance	--	125°C
	Tensile strength	When test at 500mm/min.	≥25 MPa
	Breakdown elongation	When test at 500mm/min.	≥ 450%
Aging (158 °C/168hrs)	Tensile strength	When test at 500mm/min.	≥ 20 MPa
	Breakdown elongation	When test at 500mm/min.	≥ 350%
	Water absorption 24hrs at 23°C	--	≤0.5%
	Heat shock	4hrs. at 250°C	No cracking, drop or flow
Electrical	Cold bend	4hrs at -55°C	No cracking
	Halogen free	IEC 61249-2-21	Cl : 900ppm max.Br : 900ppm max.Total (Cl + Br) : 1500ppm max.
	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	168hrs at 158°C 500mm/min.	Elongation≥100%
	Flammability	--	Not flame retardant

Note: The test methods conform to UL224

Dimensions

Shrink ratio 3:1

Reference UPM S2(n)	As supplied(mm) ID min.	After recovered(mm) ID max.	WT nom.	Standard length m/spool
1.5/0.5	1.5	0.5	0.5	200
3.0/1.0	3.0	1.0	0.7	200
4.5/1.5	4.5	1.5	0.7	100
6/2	6.0	2.0	0.8	100
9/3	9.0	3.0	1.0	50
12/4	12.0	4.0	1.1	50
15/5	15.0	5.0	1.2	50
18/6	18.0	6.0	1.3	50
24/8	24.0	8.0	1.5	25
30/10	30.0	10.0	1.7	25
39/13	39.0	13.0	1.9	25
50/16	50.0	16.0	2.5	25
60/20	60.0	20.0	2.6	25
70/23	70.0	23.0	2.6	25
80/26	80.0	26.0	2.8	25
90/30	90.0	30.0	2.8	25
100/33	100.0	33.0	3.0	25

Dimensions

Shrink ratio 2:1

Reference UPM S2VC	As supplied ID (mm)	After recovered(mm) ID max.	WT	Standard length m/spool	Reference UPM S2VC	As supplied ID (mm)	After recovered(mm) ID max.	WT	Standard length m/spool
0.6	0.9±0.2	0.40	0.33±0.10	200	15.0	15.5±0.4	7.50	0.70±0.10	100
0.8	1.1±0.2	0.50	0.33±0.10	200	16.0	16.5±0.4	8.00	0.70±0.10	100
1.0	1.5±0.2	0.65	0.36±0.10	200	17.0	17.5±0.4	8.50	0.70±0.10	100
1.5	2.0±0.2	0.85	0.45±0.10	200	18.0	19.0±0.5	9.00	0.70±0.10	100
2.0	2.5±0.2	1.00	0.45±0.10	200	20.0	22.0±0.5	10.00	0.80±0.15	100
2.5	3.0±0.2	1.30	0.45±0.10	200	22.0	24.0±0.5	11.00	0.80±0.15	100
3.0	3.5±0.2	1.50	0.45±0.10	200	25.0	26.0±0.5	12.50	0.90±0.15	50
3.5	4.0±0.2	1.80	0.45±0.10	200	28.0	29.0±0.5	14.00	0.90±0.15	50
4.0	4.5±0.2	2.00	0.45±0.10	200	30.0	31.5±1.0	15.00	1.00±0.15	50
4.5	5.0±0.2	2.30	0.45±0.10	100	35.0	36.5±1.0	17.50	1.00±0.15	50
5.0	5.5±0.2	2.50	0.56±0.10	100	40.0	41.5±1.0	20.00	1.00±0.15	50
5.5	6.0±0.2	2.75	0.56±0.10	100	45.0	≥45	22.50	1.10±0.15	25
6.0	6.5±0.2	3.00	0.56±0.10	100	50.0	≥50	25.00	1.10±0.15	25
7.0	7.5±0.3	3.50	0.56±0.10	100	60.0	≥60	31.00	1.20±0.20	25
8.0	8.5±0.3	4.00	0.56±0.10	100	70.0	≥70	36.00	1.20±0.20	25
9.0	9.5±0.3	4.50	0.56±0.10	100	80.0	≥80	41.00	1.30±0.20	25
10.0	10.5±0.3	5.00	0.56±0.10	100	90.0	≥90	46.00	1.30±0.20	25
11.0	11.5±0.3	5.50	0.56±0.10	100	100.0	≥100	51.00	1.30±0.20	25
12.0	12.5±0.3	6.00	0.56±0.10	100	120.0	≥120	61.00	1.30±0.20	25
13.0	13.5±0.3	6.50	0.70±0.10	100	150.0	≥150	76.00	1.30±0.20	25
14.0	14.5±0.3	7.00	0.70±0.10	100	180.0	≥180	91.00	1.30±0.20	25

● ID=Internal Diameter

● WT= Wall Thickness

Typical application

- Ideal for electrical insulation, strain relief, wire bonding and light harness jacketing
- Common applications include electronic systems of subway, aircraft, submarine, control room facilities and sealed environment

Ordering

- Standard color : Clear