

## PVC Heat Shrink Tubing



### 1.Introduce

PVC heat shrink tubing is produced with excellent and environmental protective PVC colloidal particle, treated by evaporation, then extruded to tubing when heated up and liquated by extruding machine, and coiling packed after cooling.PVC heat shrinkable tubing possesses excellent flexibility, mechanical and dielectric capability, flame resistance, low temperature shrinkage etc.PVC heat shrink tube is more suitable for package of battery.

### 2.Technical Data

#### 2.1 Shrink Ratio

$$S=[(L_0-L)/L_0] \times 100\%$$

$$\Delta S=(\max-L_{\min}/L_0) \times 100\%$$

#### 2.2 Electrical Performance

Volume Resistivity  $1 \times 10^{15} \Omega/\text{cm}^3$

Wall Thickness breakdown voltage

0.07-0.09  $\geq 6\text{kV}$

0.10-0.12  $\geq 8\text{kV}$

0.15-0.20  $\geq 10\text{kV}$

#### 2.3 Mechanical Performance

Tensile Strength  $\geq 40\text{Mpa/cm}$

Angle Tear Strength  $\geq 75\text{KN/m}$

#### 2.4 Heat Resistance

$85^\circ\text{C} \times 1000\text{h}$  No Crack

### 3.Size

No.	Size	Fold Diameter	Wall Thickness		100℃ Longitudinal Shrinkage %		160℃ Longitudinal Shrinkage % (105℃ tube)	100℃ lateral shrinkage %	Weight for 100M	
			85℃	105℃	Type I	Type II			85℃	105℃
1	Φ2.0	3.5+0.5	0.08±0.015	0.085±0.015	12±3				0.08	
2	Φ2.5	4.2+0.5							0.10	
3	Φ2.8	4.7+0.5							0.11	
4	Φ3.0	5.0+0.5			7±3	≤20	45±5	0.12	0.13	
5	Φ3.2	5.5+0.5			0.13	0.14				



35	Φ26	43.5+1.5						1.48							
36	Φ27	45.0+1.5						1.52							
37	Φ28	46.5+1.5						1.58							
38	Φ29	48.0+1.5	0.15±0.025	15±3	10±3	≤20	48±5	2.07							
39	Φ30	50.0+1.5						2.13							
40	Φ33	52.0+1.5						2.22							
41	Φ34	56.5+1.5						2.42							
42	Φ35	58.0+1.5						2.48							
43	Φ36	59.5+1.5	0.15±0.025	15±3	10±3	≤20	48±5	2.54							
44	Φ38	63.5+1.5						2.71							
45	Φ40	65.0+2.0						0.15±0.03	0.18±0.03	15±3	10±3	≤20	48±5	2.77	3.22
46	Φ41	67.0+2.0												2.86	3.43
47	Φ42	69.0+2.0												2.95	3.54
48	Φ45	72.5+2.0	3.10	3.72											
49	Φ46	74.0+2.0	3.20	3.84											
50	Φ48	77.5+2.0	3.36	4.03											
51	Φ50	82.0+2.0	3.58	4.23											
52	Φ55	90.0+2.0	3.88	5.65											
53	Φ60	97.0+2.0	0.20±0.035						5.50						
54	Φ65	106.0+2.0							6.00						
55	Φ70	112.0+2.0	0.20±0.04	18±3	12±3	≤20			6.35						
56	Φ75	122.0+2.0							6.92						
57	Φ80	131.0+2.0							7.54						
58	Φ85	135.0+2.0							7.76						
59	Φ93	143.0+2.0							8.22						
60	Φ98	150.0+3.0							8.63						
61	Φ103	160.0+3.0							9.15						
62	Φ109	167.0+3.0							9.51						
63	Φ116	178.0+3.0							10.20						
64	Φ130	198.0+4.0							11.30						
65	Φ142	218.0+4.0	12.40												
66	Φ154	238.0+4.0	13.40												
67	Φ161	248.0+4.0	14.00												
68	Φ167	258.0+4.0	14.60												
69	Φ180	278.0+4.0	15.70												

#### 4.Attention

The tube should avoid exposure and heat source in transit and store.Quality guarantee period is one year.