

## KY-HB Environmentally Friendly Polyolefin Heat Shrink Tube

### Description

KY-HB Environmentally Friendly Polyolefin Heat Shrink Tubing is made of polyolefin material, has the function of insulation and protection.



It applies to electric components, coating of the wire harness, and protection of the terminal junction of the electric wire and cable, at the same time, it also has the function of color identification. It's widely used in electrics, electronic industry, electrical industry, etc.

### Feature & benefit

- 1, Soft, insulate, low-temperature shrink, flame-resistant (except for the transparent)
- 2, Have good physical, chemical and electronic properties
- 3, No halogen, environmentally friendly
- 4, Shrink ratio: 2:1
- 5, Vertical Shrink ratio:  $\leq \pm 5\%$

### Operating indexes:

- 1, First Shrink Temp.:  $75^{\circ}\text{C}$
- 2, Final Shrink Temp.:  $115^{\circ}\text{C}$
- 3, Working Temp.:  $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$

**Up to standard:** Approvals

Meet UL224  $125^{\circ}\text{C}$  600V VW-1

Technical Date



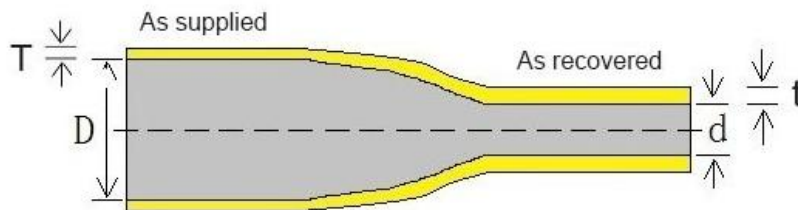
Product Properties		Performance requirements	Test Date
Tensile Strength		GB/T 1040	≥10.4MPa(Before heat aging)
		158℃×168h	≥7.3MPa(After Heat aging)
Elongation at break		GB/T 1040	≥200%(Before aging)
		158℃×168h	≥100%(After aging)
Heat shock resistance		250℃×4h	No cracks and do not be sticky
Heat cold bend resistance		-30℃×4h	No cracks
Breakdown strength		GB/T 1408	≥15kv/mm
Withsatand boltage	600V	2500V,60s, No breakdown	Pass
	300V	1500V,60s No breakdown	Pass

Volume resistivity	GB/T 1410	$\geq 1 \times 10^{14} \Omega \cdot \text{cm}$
corrosion resistance	158°C×168h	Pass
Copper stability	158°C×168h	Pass
Flame resistivity	VW-1	Pass

## Dimension

**Colors:** Black, white, red, blue, yellow, green

Pointed size and cutting according to the requests of customer



Avg. Wall thickness = (max. Wall thickness + min. Wall thickness)/2

SIZE(MM)	As supplied (mm)		After recovered (mm)		Standard Length m/roll	Application Range (mm)
	D	T	d	t		
φ0.6	0.9±0.2	0.20±0.05	≤0.40	0.33±0.10	200	0.5~0.7
φ0.8	1.1±0.2	0.20±0.05	≤0.50	0.33±0.10	200	0.6~0.8
φ1.0	1.5±0.2	0.20±0.05	≤0.65	0.36±0.10	200	0.75~0.9
φ1.5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10	200	0.95~1.4
φ2.0	2.5±0.2	0.25±0.05	≤1.00	0.45±0.10	200	1.1~1.8
φ2.5	3.0±0.2	0.25±0.05	≤1.30	0.45±0.10	200	1.4~2.3
φ3.0	3.5±0.2	0.25±0.05	≤1.50	0.45±0.10	200	1.6~2.7
φ3.5	4.0±0.2	0.25±0.05	≤1.80	0.45±0.10	200	1.9~3.2
φ4.0	4.5±0.2	0.25±0.05	≤2.00	0.45±0.10	200	2.1~3.6
φ4.5	5.0±0.2	0.30±0.08	≤2.30	0.56±0.10	100	2.4~4.0
φ5.0	5.5±0.2	0.30±0.08	≤2.50	0.56±0.10	100	2.6~4.5
φ5.5	6.0±0.2	0.30±0.08	≤2.75	0.56±0.10	100	2.85~5.0
φ6.0	6.5±0.2	0.30±0.08	≤3.00	0.56±0.10	100	3.1~5.4
φ7.0	7.5±0.3	0.30±0.08	≤3.50	0.56±0.10	100	3.7~6.3

φ8.0	8.5±0.3	0.30±0.08	≤4.00	0.56±0.10	100	4.2~7.2
φ9.0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10	100	4.7~8.0
φ10	10.5±0.3	0.30±0.08	≤5.00	0.56±0.10	100	5.2~9.0
φ11	11.5±0.3	0.30±0.08	≤5.50	0.56±0.10	100	5.7~10
φ12	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10	100	6.2~11
φ13	13.5±0.3	0.35±0.10	≤6.50	0.69±0.10	100	6.7~12
φ14	14.5±0.3	0.35±0.10	≤7.00	0.69±0.10	100	7.3~13
φ15	15.5±0.4	0.35±0.10	≤7.50	0.69±0.10	100	7.8~14
φ16	16.5±0.4	0.35±0.10	≤8.00	0.69±0.10	100	8.3~15
φ17	17.5±0.4	0.35±0.10	≤8.50	0.69±0.10	100	8.8~16
φ18	19.0±0.5	0.35±0.10	≤9.00	0.69±0.10	100	9.3~17
φ20	22.0±0.5	0.40±0.12	≤10.0	0.83±0.15	100	10.4~19
φ22	24.0±0.5	0.40±0.12	≤11.0	0.83±0.15	100	11.4~21
φ25	26.0±0.5	0.45±0.15	≤12.5	0.89±0.15	50	12.9~24
φ28	29.0±0.5	0.45±0.15	≤14.0	0.89±0.15	50	14.4~27
φ30	31.5±1.0	0.50±0.15	≤15.0	1.00±0.15	50	16~29
φ35	36.5±1.0	0.50±0.15	≤17.5	1.00±0.15	50	18~34
φ40	41.5±1.0	0.55±0.15	≤20.0	1.00±0.15	50	21~39
φ45	46.5±1.0	0.55±0.15	≤22.5	1.00±0.15	25	23.5~44
φ50	≥50	0.55±0.15	≤25.0	1.10±0.15	25	26~49
φ60	≥60	0.60±0.15	≤30.0	1.20±0.15	25	35~55
φ70	≥70	0.65±0.15	≤35.0	1.30±0.20	25	40~65
φ80	≥80	0.65±0.15	≤40.0	1.30±0.20	25	45~75
φ90	≥90	0.65±0.15	≤45.0	1.30±0.20	25	50~85
φ100	≥100	0.65±0.20	≤50.0	1.30±0.20	25	55~95
φ120	≥120	0.65±0.20	≤60.0	1.30±0.20	25	65~115
φ150	≥150	0.65±0.20	≤70.0	1.30±0.20	25	80~145
φ180	≥180	0.65±0.30	≤90.0	1.30±0.30	25	95~175
φ210	≥210	0.65±0.30	≤105.0	1.30±0.30	25	110~205
φ230	≥230	0.65±0.30	≤115.0	1.30±0.30	25	120~225
φ250	≥250	0.65±0.30	≤125.0	1.30±0.30	25	130~240