

# PET Zero Halogen Heat Shrink Lay Flat Tubing / Film



## Features & Benefits

- Operating temperature range  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Layflat width size range from 5.5mm to 105mm
- Zero Halogen Tubing
- UL 224 VW-1 Approved

## Standard Colours & Colour Codes

**Black - 0**

## Applications

PET Zero halogen heat shrink film is a flexible, halogen-free, environmentally friendly tubing that provides protection up to  $125^{\circ}\text{C}$ .

Made from polymer material, PET conforms to the requirements of environmental protection. The product is free of heavy metals such as Pb, Hg, Cd and so on. Also free of halogen.

PET heat shrinkable tubing is widely used in electronic components such as aluminium electrolytic capacitors, batteries and also used as a packing application in the fields of chemicals, machinery, foods, agriculture, light textile, bottle capping and so on.

Characteristics of PET Zero Halogen Heat Shrink: Excellent resistance to weathering, heating and cracking between temperatures  $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ . PET heat shrink tube is insulating, moisture proof and most importantly environmentally friendly.



<b>Appearance</b>	Without feculence	<b>Absorption (water)</b>	<2.0%
<b>Bend (280mm)</b>	At or above size 8.0mm<3.0mm	<b>Dielectric strength</b>	>10kV/mm
	At or under size 10.00mm<3.5mm	<b>Resistance</b>	>1.0
<b>Density</b>	1.2kg/L~1.5kg/L	<b>Volume resistance</b>	>1.0 x 10cm
<b>Tensile Strength</b>	$5.0 \times 10^3 \text{ N/m}^2 \sim 10.0 \times 10^3 \text{ N/m}^2$	<b>Operating Temperature range</b>	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
<b>Ultimate elongation rate</b>	50% ~ 350%		

Size	Width (mm)	Thickness (x0.01mm)	Shrink ratio (%)	Longitudinal ratio (%)	Longitudinal ratio $180 \pm 2^{\circ}\text{C} \times 15\text{min}$ (%)
3	5.50 ± 0.20	8.00 ± 2.00	48 ± 4	8 ± 3	12 ± 3
4	7.10 ± 0.20	8.00 ± 2.00	48 ± 4	8 ± 3	13 ± 3
5	9.10 ± 0.20	8.00 ± 2.00	48 ± 4	8 ± 3	14 ± 3
6	10.60 ± 0.20	8.00 ± 2.00	48 ± 4	8 ± 3	15 ± 3
6.3	11.00 ± 0.20	8.00 ± 2.00	48 ± 4	8 ± 3	16 ± 3
8	14.00 ± 0.20	8.00 ± 2.00	48 ± 4	8 ± 3	17 ± 3
10	17.00 ± 0.20	8.00 ± 2.00	48 ± 4	8 ± 3	18 ± 3
12	20.40 ± 0.30	10.00 ± 2.00	48 ± 4	9 ± 3	19 ± 3
12.5	21.50 ± 0.30	10.00 ± 2.00	48 ± 4	10 ± 3	20 ± 3
13	22.00 ± 0.30	10.00 ± 2.00	48 ± 4	11 ± 3	21 ± 3
13.5	22.60 ± 0.30	10.00 ± 2.00	48 ± 4	12 ± 3	22 ± 3
14.5	25.00 ± 0.30	10.00 ± 2.00	48 ± 4	13 ± 3	23 ± 3
16	27.10 ± 0.30	11.00 ± 2.00	48 ± 4	14 ± 3	24 ± 3
18	30.20 ± 0.30	11.00 ± 2.00	48 ± 4	15 ± 3	25 ± 3
22	36.30 ± 0.30	11.00 ± 3.00	48 ± 4	16 ± 3	26 ± 3
25	41.30 ± 0.50	12.00 ± 3.00	48 ± 4	17 ± 3	27 ± 3
30	49.00 ± 0.50	12.00 ± 3.00	48 ± 4	18 ± 3	28 ± 3
35	56.60 ± 0.50	12.00 ± 3.00	48 ± 4	19 ± 3	29 ± 3
40	65.00 ± 1.00	12.00 ± 3.00	48 ± 5	20 ± 3	30 ± 3
42	68.50 ± 1.00	12.00 ± 3.00	48 ± 5	21 ± 3	31 ± 3
45	72.00 ± 1.00	12.00 ± 3.00	48 ± 5	22 ± 3	32 ± 3
48	77.60 ± 1.00	12.00 ± 3.00	48 ± 5	23 ± 3	33 ± 3
50	84.00 ± 1.00	12.00 ± 3.00	48 ± 5	24 ± 3	34 ± 3
52	88.60 ± 1.00	12.00 ± 3.00	48 ± 5	25 ± 3	35 ± 3
60	96.00 ± 1.00	12.00 ± 3.00	48 ± 5	26 ± 3	36 ± 3
63.5	105.00 ± 1.00	12.00 ± 3.00	48 ± 5	27 ± 3	37 ± 3