

KY-PET Eco-friendly heat shrink tubing

Description

KY-PET Eco-friendly Heat Shrink Tube For is made of PET material, easy to use, bright in color, good insulativity. It's widely used in light industry, electronic industry, packing materials, electronic components (aluminum electrolytic capacitor, battery, electric inductance, light lamps),etc.



Features & benefits

- 1, Heat resistance, cold-resistant, cracking resistance, not easy to secondly shrink
- 2, Eco-friendly, RoHs compliant, sony, SS-00259, Reach, No halogen, No metal
- 3, 250°C×30 sec. In oven and -40°C×60 min. in constant temperature humidity chamber, no cracking.



Product properties

Product Property	Test method	Unit	Test Date
Molecular structure	—	—	$\left[\text{CH}_2\text{CH}_2\text{OOC}-\text{C}_6\text{H}_4-\text{COO} \right]_n$
Appearance	—	—	Pollution-free, foreign bodies, etc
Undissolved partical	—	mm ²	≤0.7
Bend (280mm)	—	mm	under 8Φ<3.0
			above 10Φ<3.5
Tensity	ATSM D792	g/cm ³	1.2~1.4
Tensile strength	ASTM D638	N/m ²	>107
Elongation at break	ASTM D638	%	>62%
water absorption	ASTM D570	%	<2.0%
Dielectric strength	ASTM D149	KV/mm	>15
Surface resistivity	ASTM D257	Ω	>10 ⁹
Volume resistivity	ASTM D257	Ω·cm	>10 ¹⁴

Product dimension

Part No.	Size mm)	lay flat width	Wall thickness	Horizontal shrink ratio (%)	Vertical Shrink ratio (%)	High temperature Vertical shrink ratio (%)
		(mm)	(mm)			Hot Oven (180±2)°C×15
KY-PET-003	3	5.5±0.2	0.08±0.015	47±4	8±3	12±3
KY-PET-004	4	7.0±0.2	0.08±0.015	..	..	..
KY-PET-005	5	9.0±0.2	0.08±0.015	..	..	..
KY-PET-006	6	10.6±0.2	0.08±0.015	..	..	..
KY-PET-063	6.3	10.9±0.2	0.08±0.015	..	..	..

KY-PET-008	8	13.9±0.2	0.10±0.02	45±4	..	..
KY-PET-100	10	16.9±0.3	0.10±0.02	..	..	..
KY-PET-120	12	20.2±0.3	0.10±0.02	..	..	..
KY-PET-125	12.5	21.1±0.3	0.10±0.02	..	..	..
KY-PET-130	13	21.7±0.3	0.10±0.02	..	..	..
KY-PET-145	14.5	24.1±0.3	0.10±0.02	..	..	..
KY-PET-160	16	26.7±0.3	0.11±0.02	..	..	..
KY-PET-180	18	29.8±0.3	0.11±0.02	..	..	..
KY-PET-200	20	32.9±0.3	0.11±0.02	..	..	..
KY-PET-220	22	36.2±0.3	0.11±0.02	..	..	..
KY-PET-250	25	41.1±0.5	0.11±0.02	..	..	..
KY-PET-300	30	49.1±0.5	0.11±0.02	..	..	..
KY-PET-350	35	56.7±0.5	0.11±0.02	..	..	..
KY-PET-400	40	66.5±1.5	0.20±0.03	40±5	15±5	≤30
KY-PET-450	45	72.0±1.5	0.20±0.03	..	..	..
KY-PET-500	50	84.0±1.5	0.20±0.03	..	..	..
KY-PET-635	63.5	106.0±1.5	0.20±0.03	..	..	..
KY-PET-700	70	114.0±1.5	0.20±0.03	..	..	..
KY-PET-760	76	125.0±1.5	0.20±0.03	..	..	..
KY-PET-890	89	145.0±1.5	0.20±0.03	..	..	..
KY-PET-1000	100	156.0±1.5	0.20±0.03	..	..	..

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

Pointed size: Custom-cut according to customers' request.

Remark:

Store products in the environment bellow 30°C, avoid direct sunshine and closing to heat source.