

# HTK150 Flexible PVDF heat shrinkable tubing

柔軟型 PVDF 熱縮套管

## Applications

HTK150 is made of flexible and highly transparent polyvinylidene fluoride. It has excellent resistance to chemical corrosion, high temperatures and weather, and is often used to cover high temperature resistant electronic components and wire splices. The flexible and transparent characteristics make it convenient to apply to the protection of wire and cable markers.

## 應用

HTK150 是以柔軟高透明度的聚偏二氟乙烯材質製作而成，具有良好的耐化學腐蝕性、耐高溫及耐候性，常被用來包覆耐高溫電子元件及電線接頭。柔軟及透明性方便應用在電線電纜的標識保護。

## Characteristics

Shrink ratio: 2:1

Excellent flame retardance

Flexible, abrasion resistant and solvent resistant

## 特性

收縮率：2:1

優異的阻燃性能

柔軟、耐磨擦、耐溶劑

## Operating temperature range

Continuous operating temperature:  $-55^{\circ}\text{C}\sim 175^{\circ}\text{C}$

Minimum shrink temperature:  $125^{\circ}\text{C}$

Full recovery temperature: Above  $150^{\circ}\text{C}$

## 操作溫度範圍

連續使用溫度： $-55^{\circ}\text{C}\sim 175^{\circ}\text{C}$

最低收縮溫度： $125^{\circ}\text{C}$

完全收縮溫度： $150^{\circ}\text{C}$  以上

## Approvals / Specifications    認證 / 規範

 US UL224 File no. E255532

**Product Dimensions**      **產品規格**

Part Number 產品型號	Nominal Size 公稱尺寸		As supplied (mm) 收縮前	After recovered (mm) 收縮後		Standard Length (Meter) 標準長度(米)
	mm	inch	I.D.(min) 內徑(最小)	I.D.(max) 內徑(最大)	W.T.壁厚	
HTK150-0012	1.2	3/64	1.2	0.6	0.25±0.05	1.2
HTK150-0016	1.6	1/16	1.6	0.8	0.25±0.05	1.2
HTK150-0024	2.4	3/32	2.4	1.2	0.25±0.05	1.2
HTK150-0032	3.2	1/8	3.2	1.6	0.25±0.05	1.2
HTK150-0048	4.8	3/16	4.8	2.4	0.25±0.05	1.2
HTK150-0064	6.4	1/4	6.4	3.2	0.30±0.08	1.2
HTK150-0095	9.5	3/8	9.5	4.8	0.30±0.08	1.2
HTK150-0127	12.7	1/2	12.7	6.4	0.30±0.08	1.2
HTK150-0191	19.1	3/4	19.1	9.5	0.43±0.08	1.2
HTK150-0254	25.4	1	25.4	12.7	0.48±0.08	1.2
HTK150-0381	38.1	1 1/2	38.1	19	0.51±0.08	1.2
HTK150-0508	50.8	2	50.8	25.4	0.58±0.08	1.2

**Technical Data**

Property	Specification Requirement	Test Method	Typical Value
Tensile strength	≥17.3MPa	ASTM D2671	≥26MPa
Elongation at break	≥300%	ASTM D2671	≥300%
Heat shock	No cracking	ASTM D2671 (275°C/4 hrs)	No cracking
Dielectric voltage withstand	AC2500V/60S No breakdown	ASTM D2671	No breakdown
Volume resistivity	≥10 <sup>11</sup> Ω · cm	ASTM D2671	≥10 <sup>11</sup> Ω · cm
Copper corrosion	No corrosion	ASTM D2671	No corrosion
Flammability	VW-1	UL 224	Pass

### 技術性能

特性	標準	測試方法	典型值
抗張強度	≥17.3MPa	ASTM D2671	≥26MPa
斷裂伸長率	≥300%	ASTM D2671	≥300%
熱衝擊	無裂紋	ASTM D2671 (275°C/4 小時)	無裂紋
絕緣耐壓	AC2500V/60S 無擊穿	ASTM D2671	無擊穿
體積電阻率	≥10 <sup>11</sup> Ω·cm	ASTM D2671	≥10 <sup>11</sup> Ω·cm
銅腐蝕性	無腐蝕	ASTM D2671	無腐蝕
阻燃性能	VW-1	UL 224	通過

Standard colors: black and clear (Other colors, special sizes, and cut pieces are available on request.)

標準顏色：黑色、透明（其他顏色，其他尺寸，裁切，可依客戶需求另行訂製）

