

# PTFE 260°C PTFE heat shrinkable tubing

## 260°C PTFE 熱縮套管

### Applications

PTFE heat shrinkable tubing is made of polytetrafluoroethylene, which has the lowest friction coefficient and excellent corrosion resistance in plastics, and performs very well in high and low temperature resistance. The excellent electrical, physical and chemical properties of PTFE can be applied to a variety of strict environmental fields.

### 應用

PTFE 熱縮管是以聚四氟乙烯材料製成，在塑料類具有最低的摩擦係數和極佳的耐腐蝕性能，在耐高低溫能力上有非常良好的表現，PTFE 優異的電氣、物理、化學性能可以應用在各種嚴格環境領域。

### Characteristics

Shrink ratio: 1.6:1 or 4:1  
 Excellent flame retardance  
 Superior chemical resistance  
 Ideal insulation property  
 Excellent abrasion resistance  
 Coefficient of friction: 0.1

### 特性

收縮率：1.6:1 或 4:1  
 優異的阻燃性能  
 優異的化學抵抗性能  
 優異的絕緣性能  
 優異的抗摩擦性能  
 摩擦係數：0.1

### Operating temperature range

Continuous operating temperature: -65°C~260°C  
 Full recovery temperature: Above 350°C

### 操作溫度範圍

連續使用溫度：-65°C~260°C  
 完全收縮溫度：350°C 以上

**Product Dimensions**      **產品規格**

Part Number 產品型號	As supplied (mm) 收縮前	After recovered (mm) 收縮後		Standard Length (Meter) 標準長度(米)
	I.D.(min) 內徑(最小)	I.D.(max) 內徑(最大)	W.T.(min) 壁厚(最小)	
1.6:1 Shrink ratio 收縮率 (Thick Type 厚型)				
PTFE0023	2.36	1.60	0.30	1.22
PTFE0030	3.05	2.00	0.30	1.22
PTFE0038	3.81	2.40	0.30	1.22
PTFE0048	4.85	3.00	0.30	1.22
PTFE0061	6.10	3.60	0.38	1.22
PTFE0076	7.67	4.60	0.38	1.22
PTFE0094	9.40	5.60	0.38	1.22
PTFE0109	10.92	7.00	0.38	1.22
PTFE0119	11.94	8.70	0.38	1.22
1.6:1 Shrink ratio 收縮率 (Thin Type 薄型)				
PTFETW0005	0.5	0.38	0.10	200
PTFETW0010	1.0	0.70	0.10	200
PTFETW0015	1.5	0.90	0.10	200
PTFETW0020	2.0	1.30	0.10	200
PTFETW0025	2.5	1.60	0.10	100
PTFETW0030	3.0	1.90	0.13	100
PTFETW0040	4.0	2.45	0.15	100
PTFETW0050	5.0	3.00	0.15	100
PTFETW0065	6.5	4.20	0.15	100
PTFETW0075	7.5	4.60	0.15	100
PTFETW0090	9.0	5.60	0.18	100
PTFETW0110	11.0	6.90	0.18	100
PTFETW0120	12.0	7.50	0.18	100
PTFETW0140	14.0	8.50	0.18	100
PTFETW0160	16.0	10.50	0.18	100
4:1 Shrink ratio 收縮率				
Part Number 產品型號	As supplied (mm) 收縮前	After recovered (mm) 收縮後		Standard Length (Meter) 標準長度(米)
	I.D.(min) 內徑(最小)	I.D.(max) 內徑(最大)	W.T.(min) 壁厚(最小)	
PTFE4X0020	2.0	0.50	0.20	200
PTFE4X0025	2.5	0.60	0.20	200
PTFE4X0035	3.5	0.80	0.25	100
PTFE4X0045	4.5	1.10	0.25	100
PTFE4X0060	6.0	1.50	0.25	1.22

PTFE4X0080	8.0	2.20	0.25	1.22
PTFE4X0095	9.5	2.40	0.25	1.22

### Technical Data

Property	Specification Requirement	Test Method	Typical Value
Tensile strength	≥17.3MPa	ASTM D2671	≥22MPa
Elongation at break	≥200%	ASTM D2671	≥300%
Heat shock	No cracking	ASTM D2671 (400°C/4 hrs)	No cracking
Low temperature flexibility	No cracking	ASTM D2671 (-65°C/4 hrs)	No cracking
Volume resistivity	≥10 <sup>15</sup> Ω · cm	ASTM D2671	≥10 <sup>15</sup> Ω · cm
Dielectric strength	≥34kV/mm	ASTM D2671	34kV/mm
Copper corrosion	No corrosion	ASTM D2671 (158°C/168 hrs)	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	≥22MPa
斷裂伸長率	≥200%	ASTM D2671	≥300%
熱衝擊	無裂紋	ASTM D2671 (400°C/4 小時)	無裂紋
低溫柔軟性	無裂紋	ASTM D2671 (-65°C/4 小時)	無裂紋
體積電阻率	≥10 <sup>15</sup> Ω · cm	ASTM D2671	≥10 <sup>15</sup> Ω · cm
介電強度	≥34kV/mm	ASTM D2671	34kV/mm
銅腐蝕性	無腐蝕	ASTM D2671 (158°C/168小時)	無腐蝕
阻燃性能	VW-1	UL 224	通過

Standard color: clear (Special sizes and cut pieces are available on request.)

標準顏色：透明（其他尺寸，裁切，可依客戶需求另行訂製）

