

# FEP 200°C FEP heat shrinkable tubing

## 200°C FEP 熱縮套管

### Applications

The FEP heat shrinkable tubing made of fluorinated ethylene propylene has excellent abrasion, chemical and high temperature resistance. Low coefficient of friction and non-stick characteristics of the material make it very suitable for the covering of drive rollers. FEP's material strength and UV resistance are often applied to the covering of fluorescent tubes and UV tubes.

### 應用

以氟化乙烯丙烯製成的 FEP 熱縮管，有極佳的耐磨擦、耐化學和耐高溫性能，材料的低摩擦係數及不沾黏特性很適合用於包覆傳動滾輪。FEP 材料強度及抗 UV 特性則常被應用於螢光燈管和 UV 燈管的包覆。

### Characteristics

Shrink ratio: 1.25:1

Excellent flame retardance

Superior chemical and abrasion resistance

Ideal insulation property

High transparency

Coefficient of friction: 0.2~0.3

### 特性

收縮率：1.25:1

優異的阻燃性能

優異的耐化學、耐摩擦性能

優異的絕緣性能

高透明度

摩擦係數：0.2~0.3

### Operating temperature range

Continuous operating temperature: -65°C~200°C

Minimum shrink temperature: 60°C

Full recovery temperature: Above 120°C

Temperatures for product preservation: Below 50°C

### 操作溫度範圍

連續使用溫度：-65°C~200°C

最低收縮溫度：60°C

完全收縮溫度：120°C 以上

產品保存溫度：50°C 以下

### 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. 內徑	W.T.(Nominal Size) 壁厚(公稱尺寸)	I.D.(max) 內徑(最大)	W.T.(Nominal Size) 壁厚(公稱尺寸)	
Thick Type 厚型					
FEP0047	4.7±1	0.20	3.8	0.25	1
FEP0055	5.5±1	0.20	4.5	0.25	1
FEP0070	7±1.5	0.20	5.6	0.25	1
FEP0090	9±1.5	0.20	7.5	0.26	1
FEP0115	11.5±1.5	0.25	9.3	0.30	1
FEP0145	14.5±1.5	0.3	11.7	0.37	1
FEP0190	19±2	0.3	15.3	0.37	1
FEP0240	24±2	0.4	19.3	0.5	1
FEP0280	28±2	0.4	22.5	0.5	1
FEP0350	35±2	0.4	28.1	0.5	1
FEP0440	44±2.5	0.4	36.1	0.5	1
FEP0540	54±2.5	0.4	43.3	0.5	1
FEP0660	66±3	0.4	52.9	0.5	1
FEP0780	78±3	0.4	62.5	0.5	1
FEP0900	90±4	0.4	72.1	0.5	1
FEP1030	103±4	0.4	82.5	0.5	1
Thin Type 薄型					
FEPTW0070	7±1.5	0.15	5.6	0.20	1
FEPTW0090	9±1.5	0.15	7.5	0.20	1
FEPTW0115	11.5±1.5	0.2	9.3	0.26	1
FEPTW0145	14.5±1.5	0.2	11.7	0.26	1
FEPTW0165	16.5±1.5	0.2	13.2	0.26	1
FEPTW0190	19±2	0.2	15.3	0.26	1
FEPTW0240	24±2	0.2	19.3	0.26	1
FEPTW0280	28±2	0.2	22.5	0.26	1
FEPTW0350	35±2	0.2	28.1	0.26	1
FEPTW0440	44±2.5	0.2	36.1	0.3	1
FEPTW0540	54±2.5	0.2	43.3	0.3	1
FEPTW0660	66±3	0.3	52.9	0.4	1
FEPTW0780	78±3	0.3	62.5	0.4	1

FEP fluorescent lamp shatterproof sleeves 燈管保護 FEP 熱縮套管

Part Number 產品型號	Lamp Size 燈管尺寸	As supplied (mm) 收縮前		After recovered (mm) 收縮後
		I.D.(min) 內徑(最小)	W.T 壁厚	I.D.(max) 內徑(最大)
LFEP0165	T5 (15.5)	16.5	0.2±0.05	13.8
LFEP0295	T8 (25.5)	29.5	0.2±0.05	24.0
LFEP0340	T10 (32.5)	34.0	0.2±0.05	30.5
LFEP0400	T12 (38.0)	40.0	0.2±0.05	36.5

**Technical Data**

Property	Specification Requirement	Test Method	Typical Value
Longitudinal change	-5%~5%	ASTM D2671	Pass
Tensile strength	≥13.8MPa	ASTM D2671	≥20MPa
Elongation at break	≥150%	ASTM D2671	≥250%
Dielectric voltage withstand	AC2500V/60S No breakdown	ASTM D2671	No breakdown
Volume resistivity	≥10 <sup>15</sup> Ω · cm	ASTM D2671	≥10 <sup>16</sup> Ω · cm
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
長度變化率	-5%~5%	ASTM D2671	通過
抗張強度	≥13.8MPa	ASTM D2671	≥20MPa
斷裂伸長率	≥150%	ASTM D2671	≥250%
絕緣耐壓	AC2500V/60S 無擊穿	ASTM D2671	無擊穿
體積電阻率	≥10 <sup>15</sup> Ω · cm	ASTM D2671	≥10 <sup>16</sup> Ω · cm
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)

