

PFA 260°C PFA heat shrinkable tubing

260°C PFA 熱縮套管

Applications

PFA heat shrinkable tubing is made of soluble polytetrafluoroethylene. It has the same low coefficient of friction, chemical resistance and non-stick properties as FEP products, but a higher heat resistance than FEP, allowing it to be used continuously at 260°C. PFA is almost corrosion resistant to all chemical substances and is suitable for anti-stick and chemical resistant applications in high temperature environments.

應用

PFA 熱縮管是以可溶性聚四氟乙烯材料製成。相同 FEP 產品的低摩擦係數、耐化學及不沾黏性，但比 FEP 具有更高的耐熱性能，可在 260°C 的溫度下連續使用，PFA 幾乎對所有的化學物質具有耐腐蝕性，適合使用在高溫環境下的防沾黏和耐化學應用。

Characteristics

Shrink ratio: 1.25:1

Excellent flame retardance

Superior chemical and abrasion resistance

Ideal insulation property

High transparency

Coefficient of friction: 0.1~0.2

特性

收縮率：1.25:1

優異的阻燃性能

優異的抗化學、抗摩擦性能

優異的絕緣性能

高透明度

摩擦係數：0.1~0.2

Operating temperature range

Continuous operating temperature: -65°C~260°C

Full recovery temperature: Above 260°C

操作溫度範圍

連續使用溫度：-65°C~260°C

完全收縮溫度：260°C 以上

TOKI.PRECISE CO., LTD

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					
PFA0070	7±1.5	0.15	5.7	0.17	1
PFA0090	9±1.5	0.15	7.5	0.17	1
PFA0115	11.5±1.5	0.27	9.3	0.32	1
PFA0145	14.5±1.5	0.27	11.7	0.32	1
PFA0165	16.5±1.5	0.27	13.2	0.32	1
PFA0190	19±2	0.27	15.3	0.32	1
PFA0240	24±2	0.35	19.3	0.40	1
PFA0280	28±2	0.35	22.5	0.40	1
PFA0350	35±2	0.35	28.1	0.40	1
PFA0440	44±2.5	0.35	36.1	0.40	1
PFA0540	54±2.5	0.35	43.3	0.40	1
PFA0660	66±3	0.35	52.9	0.40	1
PFA0780	78±3	0.37	62.5	0.40	1
PFA0900	90±4	0.37	72.1	0.40	1
PFA1030	103±4	0.37	82.5	0.40	1
Thin Type 薄型					
PFATW0115	11.5±1.5	0.17	9.3	0.20	1
PFATW0145	14.5±1.5	0.17	11.7	0.20	1
PFATW0165	16.5±1.5	0.17	13.2	0.20	1
PFATW0190	19±2	0.17	15.3	0.20	1
PFATW0240	24±2	0.17	19.3	0.20	1
PFATW0280	28±2	0.17	22.5	0.20	1
PFATW0350	35±2	0.17	28.1	0.20	1
PFATW0440	44±2.5	0.17	36.1	0.20	1
PFATW0540	54±2.5	0.17	43.3	0.20	1
PFATW0660	66±3	0.27	52.9	0.30	1
PFATW0780	78±3	0.27	62.5	0.30	1

Technical Data

Property	Specification Requirement	Test Method	Typical Value
Longitudinal change	-10%~0%	ASTM D2671	Pass
Tensile strength	≥17.3MPa	ASTM D2671	≥25MPa
Elongation at break	≥150%	ASTM D2671	≥300%
Dielectric voltage withstand	AC2500V/60S	ASTM D2671	No breakdown

	No breakdown		
Volume resistivity	$\geq 10^{15} \Omega \cdot \text{cm}$	ASTM D2671	$\geq 10^{16} \Omega \cdot \text{cm}$
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	-10%~0%	ASTM D2671	通過
抗張強度	$\geq 17.3 \text{MPa}$	ASTM D2671	$\geq 25 \text{MPa}$
斷裂伸長率	$\geq 150\%$	ASTM D2671	$\geq 300\%$
絕緣耐壓	AC2500V/60S 無擊穿	ASTM D2671	無擊穿
體積電阻率	$\geq 10^{15} \Omega \cdot \text{cm}$	ASTM D2671	$\geq 10^{16} \Omega \cdot \text{cm}$
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)

