

# FPF Series Heat Shrink Tubing

pro-POWER



## Description:

The FPF series heat shrink tubing is a general purpose tubing which has been specially engineered for superior flame resistance. FPF tubing can withstand elevated temperatures to 135°C (275°F) for brief periods, is split resistant, mechanically tough and resists cold flow.

## Specifications:

Shrink Ratio	: 2 : 1
Shrink Temp.	: 100°C (212°F)
Operating Temp.	: -55°C to 135°C (-67°F to 274°F)

### Physical

Tensile Strength	: 2,400 PSI
Ultimate Elongation	: 400%
Longitudinal Change	: +1%, -10%
Secant Modulus (2%)	: 13,000 PSI
Heat Aging (168 hrs @ 175°C)	: Elongation 175%
Heat Shock (4 hrs @ 250°C)	: No dripping, cracking, passes mandrel wrap test
Low Temp Flexibility (4 hrs @ -55°C)	: No cracking
*Flexibility	: 3
Shelf Life	: 10 years in humidity controlled storage (10°C/50°F to 27°C/80°F & <75 % RH)

### Electrical

Dielectric Strength	: 900V/mil
Volume Resistivity	: 10 <sup>15</sup> Ω-cm

### Chemical

Corrosive Effect	: Non-corrosive
Water Absorption	: 0.2%
Solvent Resistance Tensile Strength	: 1,000 PSI
Dielectric Strength	: 400V/mil
Fungus Resistance	: Non-nutrient
Applicable Specifications	: MIL-DTL-23053/5 Class 3

\*Flexibility: The materials are rated on a scale of 1~10. (1=most flexible and 10=most rigid)

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Part Number Table

Dimensions				Standard Packages (Colour : Black)					
Size	Expanded I.D. (Min.)	Recovered I.D. (Max.)	Recovered Nominal Wall Thickness	4 Foot Lengths (+1", -0")			6 Inch Lengths (±.125")		
				Part Number	Pcs	Total Footage (ft)	Part Number	Pcs	Total Footage (ft)
3/64"	0.046"	0.023"	0.016"	FPF-003-4025-BLK	25	100	FPF-003-6040-BLK	40	20
1/16"	0.063"	0.031"	0.017"	FPF-004-4025-BLK	25	100	FPF-004-6036-BLK	36	18
3/32"	0.093"	0.046"	0.02"	FPF-006-4025-BLK	25	100	FPF-006-6032-BLK	32	16
1/8"	0.125"	0.062"	0.02"	FPF-008-4025-BLK	25	100	FPF-008-6028-BLK	28	14
3/16"	0.187"	0.093"	0.02"	FPF-012-4025-BLK	25	100	FPF-012-6024-BLK	24	12
1/4"	0.25"	0.125"	0.025"	FPF-016-4025-BLK	25	100	FPF-016-6020-BLK	20	10
3/8"	0.375"	0.187"	0.025"	FPF-024-4025-BLK	25	100	FPF-024-6016-BLK	16	8
1/2"	0.5"	0.25"	0.025"	FPF-032-4005-BLK	5	20	FPF-032-6014-BLK	14	7
3/4"	0.75"	0.375"	0.030"	FPF-048-4005-BLK	5	20	FPF-048-6012-BLK	12	6
1"	1"	0.5"	0.035"	FPF-064-4005-BLK	5	20	FPF-064-6008-BLK	8	4
1-1/2"	1.5"	0.75"	0.04"	FPF-096-4005-BLK	5	20	FPF-096-6005-BLK	5	2.5
2"	2"	1"	0.045"	FPF-128-4005-BLK	5	20	FPF-128-6003-BLK	3	1.5
3"	3"	1.5"	0.05"	FPF-192-4002-BLK	2	8	FPF-192-6003-BLK	3	1.5

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