



REVISIONS				DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398					
DCP #	REV	DESCRIPTION		DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1857	D	RoHS Added		DCM	12/12/05	JWM	3/17/08	JWM	3/17/08
2041	E	Storage Life Added		JN	04/22/08	JWM	04/22/08	JWM	04/22/08

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.

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

Dimensions				Standard Packages (Color: Black)					
Size	Expanded I.D. (Min)	Recovered I.D. (Max.)	Recovered Nominal Wall Thickness	4 Foot Lengths (+1", -0")			6 Inch Lengths (±.125")		
				Type No.	Pcs.	Total Footage	Type No.	Pcs	Total Footage
3/64"	.046"	.023"	.016"	FPF-003-4025-BLK	25	100 FT	FPF-003-6040-BLK	40	20 FT
1/16"	.063"	.031"	.017"	FPF-004-4025-BLK	25	100 FT	FPF-004-6036-BLK	36	18 FT
3/32"	.093"	.046"	.020"	FPF-006-4025-BLK	25	100 FT	FPF-006-6032-BLK	32	16 FT
1/8"	.125"	.062"	.020"	FPF-008-4025-BLK	25	100 FT	FPF-008-6028-BLK	28	14 FT
3/16"	.187"	.093"	.020"	FPF-012-4025-BLK	25	100 FT	FPF-012-6024-BLK	24	12 FT
1/4"	.250"	.125"	.025"	FPF-016-4025-BLK	25	100 FT	FPF-016-6020-BLK	20	10 FT
3/8"	.375"	.187"	.025"	FPF-024-4025-BLK	25	100 FT	FPF-024-6016-BLK	16	8 FT
1/2"	.500"	.250"	.025"	FPF-032-4005-BLK	5	20 FT	FPF-032-6014-BLK	14	7 FT
3/4"	.750"	.375"	.030"	FPF-048-4005-BLK	5	20 FT	FPF-048-6012-BLK	12	6 FT
1"	1.000"	.500"	.035"	FPF-064-4005-BLK	5	20 FT	FPF-064-6008-BLK	8	4 FT
1 1/2"	1.500"	.750"	.040"	FPF-096-4005-BLK	5	20 FT	FPF-096-6005-BLK	5	2.5 FT
2"	2.000"	1.000"	.045"	FPF-128-4005-BLK	5	20 FT	FPF-128-6003-BLK	3	1.5 FT
3"	3.000"	1.500"	.050"	FPF-192-4002-BLK	2	8 FT	FPF-192-6003-BLK	3	1.5 FT

TYPICAL PROPERTIES

Physical

Tensile Strength 2400 PSI
 Ultimate Elongation 400 %
 Longitudinal Change +1 %, -10%
 Secant Modulus (2 %) 13,000 PSI
 Heat Aging Elongation 175 %
 (168 hrs @ 175°C)
 Heat Shock (4 hrs @ 250°C) No dripping,
 cracking, passes mandrel wrap test
 Low Temp Flexibility No cracking
 (4 hrs @ -55°C)
 *Flexibility: 3
 Flammability: Self-extinguishing,
 meets UL 224 VW-1 test

Shelf Life: 10 years in humidity controlled storage
 (10°C/50°F to 27°C/80°F & <75 % RH)

*Flexibility: The materials are rated on a scale

Electrical

Dielectric Strength 900 V/mil
 Volume Resistivity 10¹⁵ ohm-cm



RoHS
Compliant

Chemical

Corrosive Effect Non-corrosive
 Water Absorption 0.2 %
 Solvent Resistance

Tensile Strength 1000PSI
 Dielectric Strength 400 V/mil
 Fungus Resistance Non-nutrient
 Applicable Specifications: MIL-DTL-23053/5 Class 3



The technical information provided consists of typical product data and should not be used for specification purposes. Unless otherwise noted, all tests are performed at room temperature.

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	JAP	1/17/92	FPF Series-Flame Retardant Flexible Polyolefin Tubing			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	JC	7/13/92	A	TA-411	TA-411.dwg	E
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 1

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