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REVISIONS				DOC. NO. SPC-F004 * Effective: 12/21/98 * DCP No: 680					
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
1199	B	Renamed -- was FPHS-***-****-BLK	JWM	9/14/01	JC	10/16/01	JC	10/16/01	
1383	C	Type No. corrected	JWM	5/30/02	JC	5/30/02	JC	5/30/02	

The **FPHS** series heat shrink tubing offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. FPHS is made of very flexible, heat-shrinkable polyolefin which is mechanically tough and chemically resistant.

Shrink Ratio: 3:1

Shrink Temperature: 100°C(212°F)

Color: Black

Dimensions				Standard Packages					
Size	Expanded I.D (Min.)	Recovered I.D. (Max.)	Recovered Nominal Wall Thickness	4 Foot Lengths (+1", -0")			6 Inch Lengths (± .125")		
				SPC Type No.	Qty	Total Footage	SPC Type No.	Qty	Total Footage
1/16"	.059"	.020"	.018"	FPHS-004-4025-BLK	25	100FT	FPHS-004-6028	28	14 FT
1/8"	.118"	.039"	.022"	FPHS-008-4025-BLK	25	100 FT	FPHS-008-6024	24	12 FT
1/4"	.236"	.079"	.026"	FPHS-016-4025-BLK	25	100 FT	FPHS-016-6020	20	10 FT
3/8"	.354"	.118"	.030"	FPHS-024-4025-BLK	25	100 FT	FPHS-024-6016	16	8 FT
1/2"	.472"	.157"	.030"	FPHS-032-4005-BLK	5	20 FT	FPHS-032-6014	14	7 FT
3/4"	.709"	.236"	.030"	FPHS-048-4005-BLK	5	20 FT	FPHS-048-6012	12	6 FT
1"	.945"	.315"	.039"	FPHS-064-4005-BLK	5	20 FT	FPHS-064-6008	8	4 FT
1-1/2"	1.535"	.512"	.045"	FPHS-096-4005-BLK	5	20 FT	FPHS-096-6005	5	2.5 FT

TYPICAL PROPERTIES

Physical

Tensile Strength	2600 PSI
Ultimate Elongation	400 %
Longitudinal Change	±5 %
Secant Modulus (2%)	8700 PSI
Specific Gravity	1.29
Heat Aging (168 hrs @ 158°C)	Elongation 350 %
Heat Shock (4 hrs @ 250°C)	No dripping, cracking, or flowing
Low Temperature Flexibility (4 hrs @ -55°C)	No Cracking
Water Absorption	0.2 %
Flammability	Self extinguishing
Operating Temp.	-55°C~135°C (-67°F~275°F)

*Flexibility: 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.



Electrical

Dielectric Strength	700 V/mil
Volume Resistivity	10 ¹⁵ ohm-cm

Chemical

Corrosive Effect	Non-corrosive
Solvent Resistance	
Tensile Strength	1100 PSI
Dielectric Strength	400 V/mil
Fungus Resistance	Inert
Applicable Specifications: MIL-DTL-23053/5 Class 1	

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

SPC-F004.DWG

DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.



SPC TECHNOLOGY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	JAP	1/21/96	FPHS Series - Polyolefin Heat Shrink Tubing			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	BB	7/1/96	A	TA-405	TA-405.dwg	C
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 1
	BB	7/1/96				