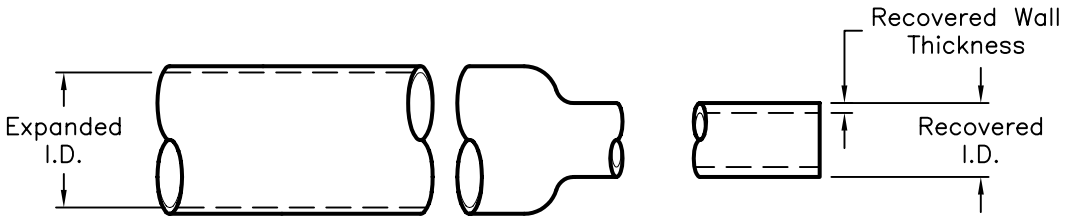
SPC TECHNOLOGY

REVISIONS			DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398					
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1188	C	UPDATED TO TABULAR SPEC	HYO	9/7/01	JC	9/10/01	JC	9/10/01
1892	D	Update To RoHS Compliant	EO	3/27/06	HO	3/28/06	HO	3/28/06

RoHS Compliant

Fluorinated Ethylene Propylene (FEP) Heat Shrink (HS): Single wall heat shrink, provides the chemical and thermal characteristics of PTFE as well as the shrinking ability over inserted objects with exposure to moderate heat. Partial shrinkage occurs at 250°F with complete recovery at 450°F, with uses including soldered joints, parts, components, and fittings made of plastic, metal, or wood. During the shrink process on long objects, excess growth may cause wrinkles unless the tubing is allowed to slide forward over the object.

Dimensions				Standard Packages					
				2 Foot Lengths			6 Inch Lengths		
Size	Expanded I.D. (Min) (Inches)	Recovered I.D. (Max) (Inches)	Recovered Wall Thickness (Inches)	SPC Type No.	Pcs.	Total Footage (FT)	SPC Type No.	Pcs.	Total Footage (FT)
3/32"	0.093	0.056	0.008 ± 0.003	SST-006-2050-CLR	50	100	SST-006-6025-CLR	25	12.5
1/8"	0.125	0.075	0.010 ± 0.003	SST-008-2050-CLR	50	100	SST-008-6025-CLR	25	12.5
3/16"	0.188	0.115	0.010 ± 0.003	SST-012-2025-CLR	25	50	SST-012-6025-CLR	25	12.5
1/4"	0.250	0.150	0.010 ± 0.003	SST-016-2025-CLR	25	50	SST-016-6025-CLR	25	12.5
3/8"	0.375	0.225	0.012 ± 0.003	SST-024-2010-CLR	10	20	SST-024-6010-CLR	10	5
1/2"	0.500	0.300	0.015 ± 0.004	SST-032-2010-CLR	10	20	SST-032-6010-CLR	10	5
3/4"	0.750	0.450	0.020 ± 0.004	SST-048-2005-CLR	5	10	SST-048-6010-CLR	10	5
1"	1.000	0.600	0.025 ± 0.005	SST-064-2005-CLR	5	10	SST-064-6010-CLR	10	5
1 1/2"	1.500	0.900	0.030 ± 0.005	SST-096-2001-CLR	1	2	SST-096-6005-CLR	5	2.5
2"	2.000	1.200	0.030 ± 0.005	SST-128-2001-CLR	1	2	SST-128-6005-CLR	5	2.5



Specifications:

1. Shrink Ratio: 1.67:1
2. Unrestricted Shrinkage Temp:
   1" and below: 410°F (210°C)
   Over 1" Dia.: 430°F (221°C)
3. Maximum Service Temp: -100°F ~ 400°F (-73°C ~ 200°C)
4. Color: Translucent
5. Dielectric Strength: 1400 Volts/Mil
6. Dielectric Constant: 2.1@ 100Hz ~ 60MHz
7. Applicable Specifications: AMS-DTL-23053/11; ASTM D 2902 Type II
8. Volume Resistivity: $>10^{18}$ OHM-CM
9. Tensile Strength: 2700 ~ 3500 PSI
10. Elongation: 200 ~ 350%
11. Longitudinal Change: ±15%
12. Specific Gravity: 2.15 grams/cm^3
13. Water Absorption: $\leq$ 0.01%
14. Flexibility: 3 *(Material is rated on a scale of 1 ~ 10 for Flexibility; 1= Most Flexible and 10 = Most Rigid)*
15. Good Abrasion Resistance
16. Excellent fungus, chemical, oil, solvent, and acids resistance
17. Flammability: UL94V-0 for resin

SPC-F004.DWG

TOLERANCES:	DRAWN BY:	DATE:	DRAWING TITLE: Single Wall Teflon Heat Shrink Tubing			
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DANIEL CAREY	4/29/97	SIZE: A	DWG. NO.: TA-407	ELECTRONIC FILE: TA-407.DWG	REV: D
	CHECKED BY:	DATE:				
	JOHN COLE	5/2/97				
	APPROVED BY:	DATE:				
	BRETT BRAATZ	5/16/97	SCALE: NTS	U.O.M.: INCHES	SHEET: 1 OF 1	

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