

REVISIONS					DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398					
DCP #	REV	DESCRIPTION			DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1199	B	Renamed — was SHS-***-****-BLK			JWM	9/14/01	JC	10/29/01	JC	10/29/01
1857	C	RoHS Added			DCM	12/12/05	JWM	3/17/06	JWM	3/17/06

The **SHS** series is a semi-rigid tubing offering the advantages of integral, adhesive-lined construction. The tubing is made from flame-retardant, flexible polyolefin with an internal layer of special thermoplastic adhesive.

**Shrink Ratio: 4:1**


**Shrink Temperature: 121°C(250°F)**

**Color: Black**


Dimensions					Standard Packages					
Size	Expanded I.D. (Max)	Recovered I.D. (Max.)	Recovered Nominal Melt Wall (Nom.)	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
.300"	.300"	.060"	.033"	.028"	SHS-300-4012-BLK	12	48 FT	SHS-300-6022-BLK	22	11 FT
.350"	.350"	.080"	.038"	.033"	SHS-350-4012-BLK	12	48 FT	SHS-350-6020-BLK	20	10 FT
.450"	.400"	.105"	.043"	.053"	SHS-450-4012-BLK	12	48 FT	SHS-450-6016-BLK	16	8 FT
.700"	.700"	.175"	.060"	.055"	SHS-700-4005-BLK	5	20 FT	SHS-700-6012-BLK	12	6 FT

## TYPICAL PROPERTIES

### Physical

Tensile Strength	1900 PSI	 E165738
Ultimate Elongation	400%	
Longitudinal Change	+1%, -10%	
Secant Modulus (2%)	33,000 PSI	
*Heat Aging (336 hrs @ 175°C)	Elongation 175%	
*Heat Shock (4 hrs @ 250°C)	No dripping, cracking. Passes mandrel wrap test	
*Low Temperature Flexibility (4 hrs @ -55°C)	No Cracking	
Flammability	Self extinguishing	
Operating Temperature	-55°C ~ 110°C (-67°F~230°F)	
Flexibility*: 7		

### Electrical

Dielectric Strength	700 V/mil	 RoHS Compliant
Volume Resistivity	10 <sup>14</sup> ohm-cm	
*Outer wall only		

*Material testing performed to MIL-DTL-23053/4.*

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

*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	1/21/96	SHS-Series Adhesive Lined Semi-Rigid Heat Shrink Tubing				
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV	
	BB	7/1/96	A	TA-404	TA-404.dwg	C	
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 1	
	BB	7/1/96					