



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 ¹⁴ 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]	
BB	7/1/96			SHEET: 1 OF 1		

ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY. 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.