



REVISIONS						DOC. ND. SPC-F004 * Effective: 7/8/02 * DCP No. 1398					
DCP #	REV	DESCRIPTION				DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1479	A	Released				JWM	11/3/03	JN	03/31/08	JN	03/31/08

The SRM series is a semi-rigid, heat-shrinkable polyolefin tubing that is co-extruded and selectively cross-linked to provide an integral, meltable inner wall.

When heated beyond the shrink temperature, the inner meltable wall of the tubing is simultaneously softened and forced by the shrink action into contact with all underlying surfaces and small voids.

The SRM series provides a tough protective and insulating barrier, highly resistant to penetration by moisture and the attack of chemicals and solvents.

Shrink Ratio: 2.5:1      Shrink Temp: 135°C (275°F)      Operating Temp: - 55°C ~ 110°C  
(- 67°F ~ 230°)

Size	Expanded I.D. (Min)	Recovered I.D. (Max.)	Recovered Nominal Wall Thickness	Meltable Nominal Wall	Color	6 Inch Lengths ( $\pm 125''$ )		
						SPC Type No.	Pcs	Total Footage
1/8"	.125"	.023"	.038"	.020"	Brown	SRM-008-6014-BRN	14	7 FT
3/16"	.187"	.060"	.043"	.025"	Gray	SRM-012-6012-GRY	12	6 FT
1/4"	.250"	.080"	.047"	.027"	White	SRM-016-6010-WHT	10	5 FT
3/8"	.375"	.135"	.050"	.030"	Red	SRM-024-6008-RED	8	4 FT
1/2"	.500"	.195"	.055"	.035"	Blue	SRM-032-6006-BLU	6	3 FT
3/4"	.750"	.313"	.065"	.040"	Yellow	SRM-032-6006-YLW	2	1 FT



## TYPICAL PROPERTIES

### Physical

Tensile Strength	2200 PSI
Ultimate Elongation	400 %
Longitudinal Change	+1 %, -10%
Secant Modulus (2%)	27,000 PSI
*Heat Aging (168 hrs @ 175°C)	Elongation 200 %
*Heat Shock (4 hrs @ 250°C)	No dripping, cracking, or flowing
*Low Temp Flexibility (4 hrs @ -55°C)	No cracking
**Flexibility:	7

### Electrical

Dielectric Strength	900 V/mil
Volume Resistivity	$10^{15}$ ohm-cm

### Chemical

Corrosive Effect	Non-corrosive
Fluid Resistance:	
JR4 Skydrol 600	
Solution gasoline	>1500 PSI @ 600 V/mil
Hydraulic fluid	
Water Absorption	0.1 %
Fungus Resistance	Non-nutritive
Applicable Specifications: MIL-DTL-23053/4 Class 1	

\*Outer wall only.

\*\*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: Heat-Shrink Tubing, Semi-Rigid Multiple Wall Polyolefin			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	JEFF MCVICKER	11/3/03			TA-559	A
	Jason Nash	03/31/08			TA-559.DWG	A
	APPROVED BY:	DATE:	SCALE:	NTS	U.O.M.: INCHES	SHEET: 1 OF 1
	Jason Nash	03/31/08				

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