

SRM Series

Polyolefin Heat Shrink Tubing

pro-POWER



Description:

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.

Specifications:

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

Physical

Tensile Strength	: 2,200 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	: 900V/mil
Volume Resistivity	: 10 ¹⁵ Ω-cm

Chemical

Corrosive Effect	: Non-corrosive
Fluid Resistance	
JR4 Skydrol 600 Solution gasoline	: >1,500 PSI @ 600V/mil
Hydraulic fluid	
Water Absorption	: 0.1%
Fungus Resistance	: Non-nutrient
Applicable Specifications	: MIL-DTL-23053/4 Class 1

*Outer wall only.

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

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Part Number Table

Dimensions				Standard Packages (Colour : Black)					
Size	Expanded I.D. (Min.)	Recovered I.D. (Max.)	Recovered Nominal Wall Thickness	4 Foot Lengths (+1", -0")			6 Inch Lengths (±.125")		
				Part Number	Pcs	Total Footage (ft)	Part Number	Pcs	Total Footage (ft)
1/8"	0.125"	0.023"	.038"	SRM-008-4025-BLK	25	100	SRM-008-6014-BLK	14	7
3/16"	0.187"	0.06"	.043"	SRM-012-4025-BLK	25	100	SRM-012-6012-BLK	12	6
1/4"	0.25"	0.08"	.047"	SRM-016-4025-BLK	25	100	SRM-016-6010-BLK	10	5
3/8"	0.375"	0.135"	.05"	SRM-024-4025-BLK	25	100	SRM-024-6008-BLK	8	4
1/2"	0.5"	0.195"	.055"	SRM-032-4005-BLK	5	20	SRM-032-6006-BLK	6	3
3/4"	0.75"	0.313"	.065"	SRM-048-4005-BLK	5	20	N/A	-	-
1"	1"	0.4"	.075"	SRM-064-4005-BLK	5	20	SRM-064-6002-BLK	2	1

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