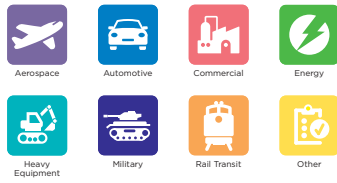


Rapid reference

Page 1 of 3



HPS & HPC

High Performance

2:1 Shrink Ratio

Flexible Polyolefin

Applications:

- Wire identification
- Wire protection
- Fluid resistance
- Strain relief
- Abrasion Protection

Product Features:

- 2:1 shrink ratio
 - Operating temperature range -55°C to +135°C and up to 200°C for short durations
 - Pre-cut design allows for quick kitting
 - Colors - white, black, yellow.
- Others by request



Specifications:

Meets the requirements of
SAE AS23053/5, Class 1 &3

Recommended Printer & Ribbon:

Printer - Sumitag Marking Systems
Ribbon - Sumimark SM3

Print Performance:

Adherence: SAE-AS5942
MIL-STD-202G, Method 215



Product Overview

Sumitag HPS and HPC 2:1 heat shrink tubing are markable products, manufactured to the highest quality controls and manufacturing standards. When used in conjunction with the Sumitag™ Marking System, Sumitag HPS and HPC tubing provides mil-spec mark permanence with crisp text for easy identification of wires. Sumitag HPS is packaged in a ladder design. Sumitag HPC is packaged in a continuous spool.

How can we help? Contact us for more information:

800 758 3515
customerservice@seipusa.com
www.seipusa.com

Technical Specifications & Approvals:

Meets the requirements of SAE AS23053 Class 1 & 3
UL/CSA VW-1, 125°C, 600 volts
RoHS/RoHS2 Compliant
UV - BS EN ISO 4892-3:2016

HPS and HPC

High Performance

2:1 Shrink Ratio

Flexible Polyolefin

Physical Properties

Property	Test Method	Value
Longitudnal change (%)	SAE-AS23053	+/-5% max
Specific gravity	ASTM D 792	1.35 max.
Tensile strength	ASTM D 638	Min. 10.4 MPa
Elongation at break	ASTM D 638	200% min.
Secant modulus (psi)	ASTM D 882	Max. 173 MPa

Thermal Properties

Operating temperature	SAE-AS23053	-55°C to 135°C
Minimum shrink temperature	Shrink curve	90°C
Shrinking starts at	Shrink curve	60°C
Low temperature flex (-55°C)	SAE-AS23053	No cracking
Heat shock (250°C, 4 hrs.)	SAE-AS23053	No cracking
Elongation after heat ageing (175°C x 168hrs)	SAE-AS23053	No cracking
Copper corrosion (175°C x 16hrs)	SAE-AS23053	No corrosion
Color stability (175°C x 24hrs)	SAE-AS23053	No change

Electrical Properties

Dielectric strength (volts/mil)	ASTM D 876	19.7 kV/mm min.
Volume resistivity (ohm-cm)	ASTM D 876	10 ¹⁴ min. Ohm.cm
Voltage rating	UL224	

Chemical Properties

Water absorption (%)	ASTM D 570	0.5% max.
Fluid resistance (24°C, 24 hrs.)	SAE-AS23053	6.9MPa min.
Flammability	UL 224 VW-1	Pass
Fungus resistance	SAE-AS23053	ASTM G 21
Ozone resistance	NF F 00-608	No cracking

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HPS and HPC High Performance 2:1 Shrink Ratio Flexible Polyolefin

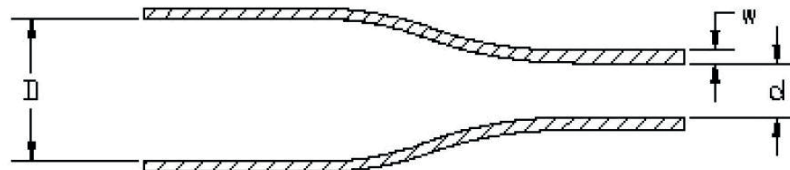
Standard Sizes:

Please see table to the right for standard sizes.

Size	ID Min (as supp.)		ID Max (after recov.)		Wall Thickness Nom (after recov.)	
	inch	mm	inch	mm	inch	mm
1/16	.070	1.8	.030	0.78	.017	0.45
3/32	0.94	2.4	.047	1.20	.020	0.51
1/8	.125	3.2	.057	1.45	.020	0.52
3/16	.194	4.95	.092	2.35	.020	0.52
1/4	.250	6.35	.122	3.10	.025	0.65
3/8	.381	9.70	.181	4.60	.025	0.65
1/2	.484	12.3	.165	4.20	.033	0.85
3/4	.740	18.8	.244	6.20	.039	1.00
1	.992	25.2	.326	8.30	.047	1.20
1.5	1.50	38.1	.750	19.1	.040	1.02

Dimensional Information:

Please refer to diagram to the right for dimensions.



Standard Colors:

White, black, yellow. Others by request.



Standard Package:

HPC - Spooled. Meters.
HPS - Formatted. Pieces.

How to order example:

HPC, 1/4", White, 2X
HPS, 1/4", White, 2X

Type of material	Size	Color	Shrink Ratio	Packaging
HPC	1/4	White	2X	Spool
HPS	1/4	White	2X	Pieces

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