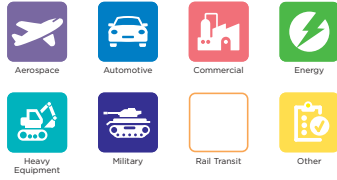


Rapid reference



Applications:

- Wire identification
- Wire protection
- High temperature areas
- Strain relief
- Abrasion protection

Product Features:

- 2:1 shrink ratio
- Operating temperature range
-55°C to +225°C
- Pre-cut design allows for quick
kitting
- Colors - white, black



Specifications:

Meets the requirements of
SAE AS23053/18, Class 1

Recommended Printer & Ribbon:

Printer - Sumitag Marking
Systems
Ribbon - Sumimark SM3
Super Ribbon

Print Performance:

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

HTS High Temperature Polyvinylidene Fluoride Tubing

Page 1 of 4



Product Overview

Sumitag HTS heat shrink tubing is a high temperature rated, highly flame retarded markable product, manufactured to the highest quality controls and manufacturing standards. This sleeving is suitable for applications where extremely high temperatures and exposure to harsh chemicals are found.

How can we help? Contact us for more information:

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

Product insight

Technical Specifications:

Meets the requirements of
SAE AS23053/18, Class 1
UL 224 125°C, 600v
UL/CSA VW-1, 125°C, 600 volts
RoHS/RoHS2 Compliant

HTS High Temperature Polyvinylidene Fluoride Tubing

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Thermal Properties

Property	Test Method	Value
Operating Temperature		-55° C to +225° C
Min. shrink temp for full recovery	Shrink Curve	150° C
Tensile Strength		24 MPa (min.)
Elongation		200% (min.)
Heat Aging	168hrs, 175° C	No cracking
Low temperature flexibility	4hrs, - 55° C	No cracking
Heat shock	4hrs, 275° C	No cracking
Dielectric strength		20 kV/mm (min)
Volume resistivity		1.0x10 ¹² Ohms cm

Physical Properties

Fluid Resistance	After immersed in fluids specified in SAE-AS23053 at 23° C for 24 hrs.	
Tensile strength		13.9 MPa (min)
Elongation		100% (min)
Dielectric strength		15.7 kV/mm (min)

Chemical Properties

Vacuum outgassing, TML/CVCM (*1)	4x10 Pa, 125° C, 24hrs	1.0/0.1% (max)
Clarity stability	24hrs, 200° C	Pass
Water absorption	24hrs, 23° C	0.10 (max)
Corrosion	16hrs, 175° C	No corrosion
Flammability	UL224, VW-1	Pass

*1: Test method conforms to NASA SP-R-0022

TML: Total Mass Loss

CVCM: Collected Volatile Condensable Material

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HTS High Temperature Polyvinylidene Fluoride Tubing

Standard Sizes:

Please see table to the right for standard sizes.

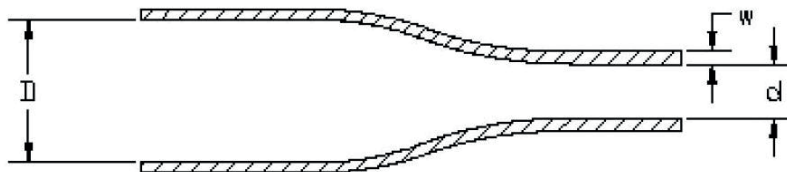
Size	ID Min (as supp.)		ID Max (after recov.)		Wall Thickness Nom (after recov.)	
	inch	mm	inch	mm	inch	mm
1/8	0.12	3.20	0.06	1.60	0.010	0.27
3/16	0.19	4.80	0.09	2.40	0.010	0.27
1/4	0.25	6.40	0.12	3.20	0.012	0.33
3/8	0.37	9.50	0.19	4.80	0.012	0.33
1/2	0.50	12.7	0.25	6.40	0.012	0.33
3/4	0.75	19.1	0.37	9.50	0.017	0.43
1	1.00	25.4	0.50	12.7	0.019	0.48

Note:

Longitudinal change: +5 to -10%

Dimensional Information:

Please refer to diagram to the right for dimensions.



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HTS High Temperature Polyvinylidene Fluoride Tubing

Standard Sizes and Packaging:

Please see table to the right for standard sizes and packaging. Custom sizes are available with minimum order quantities.

Standard Package:

Box package. Pieces on roll.

Size	0 Score	1 Score	3 Scores
1/8"	1000	2000	4000
3/16"	1000	2000	4000
1/4"	1000	2000	4000
3/8"	500	1000	2000
1/2"	500	1000	2000
3/4"	500	1000	2000
1"	300	600	1200

Standard Colors:

White, black.

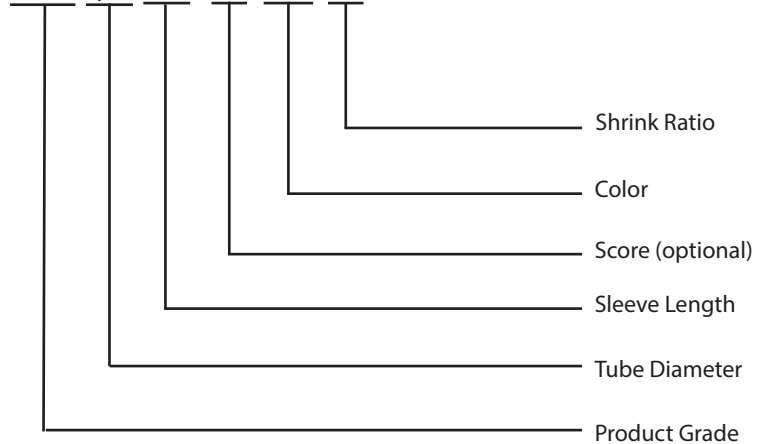


How to Order:

Example: HTS-1/4-2.0-S1-WE-2X

Part Numbering

HTS-1/4-2.0-S1-WE-2X



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