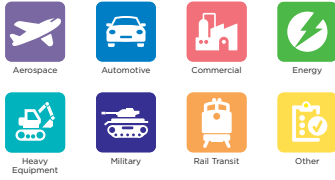


Rapid reference

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HTC Continuous High Temperature Polyvinylidene Fluoride

Applications:

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

Product Features:

- 2:1 shrink ratio
- Operating temperature range -55°C to +225°C
- Continuous format for cut-to-length requirements and cost savings
- Colors - white



Specifications & Approvals:

SAE AS23053/18, Class 1
NSA937201 MK
UL 224 VW1

Required Printer & Ribbon:

Printers - Sumitag BB-E5,
Sumitag SS-SX or Sumitag DS-
XT Marking Systems
Ribbon - Sumimark SM3
Super Ribbon

Print Performance:

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



Product Overview

Quality Counts! Sumitag HTC 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.

Lower Cost! Due to open and continuous design, Sumitag HTC provides significantly lower installation cost versus precut formats.

How can we help? Contact us for more information:

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

HTC High Temperature Polyvinylidene Fluoride Tubing

Physical Properties	Property	Test Method	Requirement
	Tensile strength	ASTM D 638	24 MPa min.
	Elongation at break	ASTM D 638	200% min.
Thermal Properties	Operating temperature	SAE-AS23053	-55 °C to 175 °C
	Minimum shrink temperature	Shrink curve	150 °C
	Low temperature flex (-55°C)	SAE-AS23053	No cracking
	Heat shock (250°C, 4 hrs.)	SAE-AS23053	No cracking
	Copper corrosion (175 °C x 16hrs)	SAE-AS23053	No corrosion
Electrical Properties	Dielectric strength (volts/mil)	ASTM D 876	15.7 kV/mm min.
	Volume resistivity (ohm-cm)	ASTM D 876	1.0 x 10 ¹² min.
Chemical Properties	Water absorption (%)	ASTM D 570	0.5% max.
	Fluid resistance (23°C, 24 hrs.)	SAE-AS23053	1000 min.
	Flammability	UL 224 VW-1	Pass
	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)
	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)

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Product insight

HTC High Temperature Polyvinylidene Fluoride Tubing

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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.)		Packaging per spool
	inch	mm	inch	mm	inch	mm	
1/8	0.125	3.2	0.43	1.1	0.024	0.60	30
3/16	0.188	4.8	0.63	1.6	0.026	0.65	30
1/4	0.250	6.4	0.83	2.1	0.028	0.70	30
3/8	0.375	9.5	0.122	3.1	0.031	0.80	30
1/2	0.500	12.7	0.165	4.2	0.033	0.85	30
3/4	0.750	19.1	0.248	6.3	0.039	1.00	30
1	1.000	25.4	0.327	8.3	0.048	1.20	20

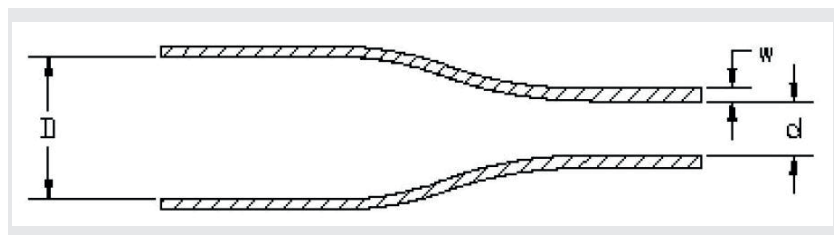
Standard Colors:

White.



Dimensional Information:

Please refer to diagram to the right for dimensions.



Standard Package:

Continuous, spooled. Meters.

How to order:

Example: HTC, 1/4", White, 2X

Type of material	Size	Color	Shrink Ratio	Packaging
HTC	1/4	White	2X	Spool

We can help: 800 758 3515

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