



## HVT High Temperature Printable Heatshrink Continuous 2:1 Shrink Ratio Military Specification



### Standards:

- SAE-AMS-DTL-23053/13B
- NASA-SP-R-0022A
- BS 6746 C
- BS 4G198, Part 3, Type 12A
- DEF STAN 59-97, Type 4a

### Product Overview:

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HVT is a rubber based, highly fluid resistant, flame retard-ed fluoroelastomer heatshrink tubing. This sleeving is recommended in applications where resistance to aggressive solvent and high temperatures are prevalent. HVT is ideally suited for high temperature wire and cable markers used in aircraft engine environments.

### Product Features:

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- Highly fluid resistant.
- Flame retardant.
- High service temperature range  $-55^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$ .
- Minimum shrink temperature  $150^{\circ}\text{C}$ .
- Continuous format for cut-to-length requirements and cost savings.
- 2:1 shrink ratio.
- Colors—black and white.



***3 locations to serve you***

New England 800-346-3526

Mid- Atlantic 866-635-2660

Southeast US 800-899-8533

[www.Nelcoproducts.com](http://www.Nelcoproducts.com)

[www.Wiremarkersplus.com](http://www.Wiremarkersplus.com)



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## Recommended Printer & Ribbon:

Sumitag™ Printer	STP-300 SS
Ribbon	SM3 Super Ribbon

## Print Performance:

Adherence: SAE-AS5942  
Fluid Resistance: MIL-STD-202, Method 215J

## Technical Specifications:

Property	Value
Service Temperature	-55°C to +200°C
Shrink Temperature	+150°C
Tensile Strength (MPa)	8.2MPa min ASTM D638
Elongation (%)	250 min ASTM D638
Low Temp Flex (-40°C)	No cracking
Heat Shock (300°C, 4 hrs)	No cracking
Flammability	15 sec. max, AMS-DTL-23053
Vacuum Outgassing TML	1.0 max (%) ASTM-E595
Vacuum Outgassing CVCM	0.1 max (%) ASTM-E595
Dielectrical Strength (volts/mil)	200 min ASTM D876

Expanded Bore ID Min. (Inches)	Recovered ID Bore Max (Inches)	Recovered Wall Nominal (Inches)	Product Reference
1/8"	1/16"	0.020	HVT-1/8"
3/16"	3/32"	0.020	HVT-3/16"
1/4"	1/8"	0.025	HVT-1/4"
3/8"	3/16"	0.025	HVT-3/8"
1/2"	1/4"	0.025	HVT-1/2"
3/4"	3/8"	0.030	HVT-3/4"
1"	1/2"	0.030	HVT-1"
1.5"	3/4"	0.040	HVT-1.5"
2"	1"	0.043	HVT-2"