



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:

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

Product Features:

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

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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"