

## HT thermal transfer printable heatshrink tubing

The HT printable heatshrink tubing are made of semi flexible highly flame retardant polyvinylidene fluoride tubing. High temperature rated thin wall markers with high transparency. Excellent chemical and mechanical properties suitable for aerospace, defense and mass transit applications.

### Physical

Properties	Test Method	Typical value
Tensile strength	ASTM D 412	≥31,3 MPa
Elongation at break	ASTM D 421	≥330%
Longitudinal change	SAE-AMS-DTL-23053	+5%
Specific gravity	ASTM D 792	1.73 g/ cm <sup>3</sup>
Secant Modulus	ASTM D 882	≥730 MPa

### Electrical

Properties	Test Method	Typical value
Dielectric strength	ASTM D 2671	≥ 43 kV/mm
Volume resistivity	ASTM D 876	9,1 x 10 <sup>12</sup> Ω/cm
Voltage rating		600V

### Colors

Yellow and white.  
Other colors on request.

### Material

Modified polyvinylidene fluoride.  
Shrink ratio 2:1

**Minimum shrink temperature:**  
135°C

### Operating temperature

-55°C up to +225°C.

### Specifications

SAE-AMS-DTL-23053/18 class 1  
UL224 VW-1

### Storage

Store in original packaging.  
Recommended temperature at +10°C to +25°C and 45-55% relative humidity.  
Use within 3 years from date of manufacture.

### Notes

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## Chemical

Properties	Test method	Typical value
Fluid resistance	SAE-AMS-DTL-23053	Pass
Water absorption	ASTM D 570	≤ 0,2%
Flammability	UL224, VW-1	Pass
Fungus resistance	ASTM G 21	Pass

## Printer recommended

CAB A4+ 300dpi printer

## Applications

Common uses include marking, insulation, wire bundling and

## Thermal

Properties	Test Method	Typical value
Heat shock (275°C x 4h)	SAE-AMS-DTL-23053	No dripping, cracking or flowing, pass
Elongation after heat ageing (225°C x 168h)	SAE-AMS-DTL-23053	≥200%
Cooper corrosion (225°C x 16h)	SAE-AMS-DTL-23053	Pass
Low temperature flexibility (-55°C x 4h)	SAE-AMS-DTL-23053	Pass
Cooper corrosion (160°C x 16h)	SAE-AMS-DTL-23053	Pass
Clarity stability (200°C x 24 h)	SAE-AMS-DTL-23053	Pass



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