

### AMD-3X thermal transfer printable heatshrink tubing

The AMD-3X printable heatshrink are made of highly flame retardant, self-extinguishing and very flexible heat shrinkable polyolefin tubing with ideal printability properties for identification purposes within aerospace, military and defence specified applications. UL VW-1/CSA recognized and complies to AMS-DTL-23053/5 Class 1&3.

This heatshrink are very versatile through excellent balance of chemical, electrical and mechanical properties.

#### Physical

Properties	Test Method	Typical value
Tensile strength	ASTM D 638	≥14MPa
Elongation at break	ASTM D 638	≥400%
Longitudinal change	SAE-AMS-DTL-23053	0% - -2%
Specific gravity	ASTM D 792	1.34 g/ cm <sup>3</sup>
Secant Modulus	ASTM D 882	65 MPa

#### Electrical

Properties	Test Method	Typical value
Dielectric strength	UL224	15 kV/mm <sup>2</sup>
Volume resistivity	ASTM D 876	3,1 x 10 <sup>14</sup> Ω cm
Voltage rating	UL224	600V
Dielectric voltage withstand (2,5 kV x60s)	UL224	Pass, no breakdown

#### Colors

Yellow and white.  
Other colors on request.

#### Material

Radiation cross linked polyolefin.  
Shrink ratio 3:1

#### Operating temperature

-40°C up to +135°C.  
-40°F up to +275°F

#### Minimum shrink temperature:

+85°C.  
+185°F

#### Specifications

##### Mark performances:

SAE AS81531:1998, point 4.6.2.

##### Chemical and solvent resistance:

MIL-STD-202F method 215J.

UL224 125°C 600V VW-1 recognized file E203950.  
CSA 125°C 600V VW-1 certified file 220127.

SAE-AMS-DTL-23053/5 class 1&3.

#### Storage

Store in original packaging.  
Recommended temperature at +10°C to +25°C (+50°F to +75°F) and 45-55%relative humidity.  
Use within 3 years from date of manufacture.

#### Notes

This information and data is believed to be accurate and reliable. Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of this date, JIT Products makes no representations as to the completeness or accuracy thereof. We place at your disposal the technical information necessary for the correct use of our products. As conditions and methods of use are beyond our control, that the person receiving the same will make their own determination as to the suitability for their purpose.

We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market



**Chemical**

Properties	Test method	Typical value
Fungus resistance	ASTM G 21	Pass, no growth
Fluid resistance (after immersion 23 °C x 24h)	SAE-AMS-DTL-23053	7,25 – 14 MPa

**Printer recommended**

CAB A4+ 300dpi printer

**Applications**

Common uses include marking, insulation, wire bundling and

**Thermal**

Properties	Test Method	Typical value
Heat shock (250°C x 4h)	SAE-AMS-DTL-23053	No dripping, cracking or flowing, pass
Elongation after heat ageing (158°C x 4h)	SAE-AMS-DTL-23053	≥400%
Cooper corrosion (158°C x 168h)	SAE-AMS-DTL-23053	Pass
Stability against copper (158°C x 168h)	SAE-AMS-DTL-23053	Pass
Low temperature flexibility (-55°C x 4h)	SAE-AMS-DTL-23053	No cracking
Flammability	UL224	VW-1, pass



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