

AMD-2X thermal transfer printable heatshrink tubing

The AMD-2X 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 ³
Secant Modulus	ASTM D 882	65 MPa

Electrical

Properties	Test Method	Typical value
Dielectric strength	UL224	15 kV/mm ²
Volume resistivity	ASTM D 876	3,1 x 10 ¹⁴ 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 2:1

Operating temperature

-40°C up to +135°C.

Minimum shrink temperature:
+85°C.

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 and 45-55% relative humidity.
Use within 3 years from date of manufacture.

Notes

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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

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

Printer recommended

CAB A4+ 300dpi printer

Applications

Common uses include marking, insulation, wire bundling and



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