

C3 thermal transfer printable heatshrink tubing

The C3 Heat Shrinkable Wire Markers are made of a very flexible and self extinguishing polyolefin tubing. UL224 recognized. Meets most industrial the requirements and is dedicated for flattening and thermal transfer printing purposes.

The products are supplied on a thermal sensitive cardstock liner converted into a ladder construction offering superb organization of the markers. The cardstock liner is die-cutted with cavities where into the sleeves are applied, supported by a backing adhesive.

Dimensions

Size, Inches	Size, mm	Minimum ID, as supplied	Maximum ID, recovered	Recovered wall thickness, mm
3/32	2.4	2.4	0.8	0.43-0.63
1/8	3.2	3.2	1.0	0.43-0.68
3/16	4.8	4.8	1.6	0.43-0.68
1/4	6.4	6.4	2.0	0.56-0.71
3/8	9.5	9.5	3.0	0.56-0.71
1/2	12.7	12.7	4.0	0.56-0.80
3/4	19.0	19.0	6.0	0.80-1.00
1	25.4	25.4	8.0	0.81-1.15
1 1/2	38.1	38.1	12.7	0.90-1.25

Physical

Properties	Test Method	Typical value
Tensile strength	ASTM D 638	>11 N/mm ²
Elongation at break	ASTM D 638	>200%
Longitudinal change	ASTM D 2671	≤+5 %, ≤-10%
Specific gravity	ASTM D 792	1.4 g/cm ³
Water absorption	ASTM D 570	0.20%

Electrical

Properties	Test Method	Typical value
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 ¹⁴ Ω cm

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, Link Solutions 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

Colors

White and yellow
Other colors on request.

Material

Cross linked polyolefin, shrink ratio 3:1

Operating temperature

-55°C to +135°C

Minimum shrink temperature

>90°C

Specifications

SAE-AMS-DTL-23053/5 class 1,
UL 224 125°C 600V VW-1 (File No. E228117).

Printer recommended

CAB A4+ 300dpi printer.

Applications

Common uses include marking, Insulation, wire bundling and Mechanical protection.

Chemical

Properties	Test method	Typical value
Fungus resistance	AMS-DTL-7444	Pass, no growth
Chemical resistance	SAE-AMS-DTL-23053/5	Good

Thermal

Properties	Test method	Typical value
Heat shock (250°C x 4h)	ASTM D 2671	No dripping, cracking or flowing, pass
Heat ageing (175°C x 168h)	ASTM D 638	Elongation 200%
Copper corrosion	ASTM D 2671 B	Pass
Low temperature flexibility (-55°C x 4h)	ASTM D 2671 C	No cracking
Flammability	UL224	VW-1, pass



Carrier liner

White, non-coated, medium range thermal sensitive paper cardstock. Thickness 185 ± 10 µm. Width 109mm ± 0.5mm.

Adhesive backing

Clear, polyethylene film coated with an acrylic-based pressure sensitive adhesive.

Thickness 0.10mm. Width 72/85mm.

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

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, Link Solutions 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