

81720

Conductive Fabric Tape

Laird 81720 Conductive Fabric Tape is an ultra-thin tape which offers exceptional conformability and conductivity for dynamic flex applications. It's constructed of nickel/copper metalized fabric with a conductive pressure sensitive adhesive (PSA). This reliable tape design provides outstanding shielding performance while offering superior abrasion and corrosion resistance under high dynamic flex conditions.

Laird 81720 is a halogen free product and can be supplied in tape or further customized to application by die-cutting, hole punching, and so on.

FEATURES

- Ultra-thin
- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of < 0.04 Ω/□ provides excellent conductivity

APPLICATIONS

- Cabinet applications
- LCD and Plasma TV
- Medical equipment
- Servers
- Printers
- Laptop computers

COMPOSITION

| Conductive layer (metalized fabric) | | |
|---|--|--|
| Adhesive layer (acrylic conductive PSA) | | |
| Release paper | | |

CHARACTERISTICS

| ITEM | UNIT | SPEC | TEST METHOD |
|---|--------|-------------------|-----------------------|
| Thickness | mm | 0.027 ± 0.004 | - |
| Peel Adhesion | N/25mm | >8 | PSTC 101* |
| Shear Adhesion @R.T. | Hrs | >24 | PSTC 107 [#] |
| Shear Adhesion @80 $^\circ\!\mathrm{C}$ | Hrs | >1 | PSTC 107 [#] |
| Tensile Strength, MD | N/25mm | >45 | - |
| Operation Temperature | °C | -10 to 80 | - |
| Surface Resistivity(fabric side) | Ω/□ | <0.04 | ASTM F390 |
| Z-axial Resistance | Ω | <0.03 | - |

Remark *: Test Method A, dwell time 60 minutes #: Contact area 25mm by 25mm

Note: According to the ultra-thin fabric, the adhesive may bleed through the fabric in some severe conditions. Such bleeding will not impact the physical performance.

SHELF LIFE

12 months under 23°C/65% R.H.

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