



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.

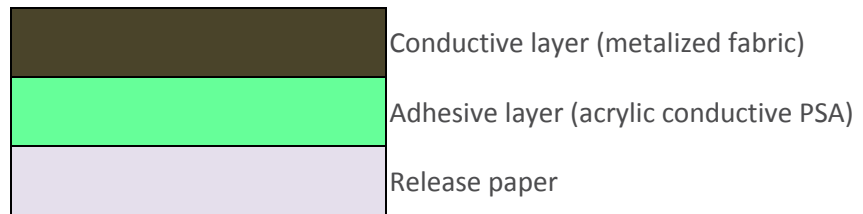
**FEATURES**

- Ultra-thin
- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of  $< 0.04 \Omega/\square$  provides excellent conductivity

**APPLICATIONS**

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

**COMPOSITION**



**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°C             | Hrs              | >1            | PSTC 107#   |
| Tensile Strength, MD             | N/25mm           | >45           | -           |
| Operation Temperature            | °C               | -10 to 80     | -           |
| Surface Resistivity(fabric side) | $\Omega/\square$ | <0.04         | ASTM F390   |
| Z-axial Resistance               | $\Omega$         | <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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