124-24

ANISOTROPIC CONDUCTIVE FLEXIBLE UV ADHESIVE

DESCRIPTION: 124-24 is a screen-printable, anisotropic, UV cured adhesive. This product can be used on a variety of substrates such as polycarbonate, treated and untreated polyesters, Kapton, epoxy/glass PC boards and glass.

TYPICAL CURED PROPERTIES:

Volume Resistivity (Ω-cm)

<table>
<thead>
<tr>
<th>Axis</th>
<th>Value</th>
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<tbody>
<tr>
<td>X, Y</td>
<td>$1 \times 10^{12}$</td>
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<tr>
<td>Z</td>
<td>0.0001</td>
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</tbody>
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Consistency          Smooth paste
Crease Resistance    Excellent
Hydrolytic Stability Excellent
Useful Temperature Range (°C) -55 to 140
Thermal Stability (°C) Good to 220

SUGGESTED HANDLING & CURING: Material is ready to use as received. Cure using a 200-300 watt/inch mercury vapor lamp. Speed of cure will vary depending upon available energy. Typical cure time ranges from a few seconds to 1 minute when work is positioned 6-10 inches from lamp. Faster curing can be accomplished by moving lamp closer to work or increasing lamp intensity. When applying two layers, it is sometimes desirable to under-cure the first layer so as to improve interlayer adhesion. **NOTE:** Direct exposure to UV light source is required for material to cure properly.

STORAGE: Shelf Life: 3 months at 25°; 6 months at 5°C.

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.

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