



Creative Materials, Inc.
12 Willow Road
Ayer, MA 01432

T 978.391.4700
F 978.391.4705

126-22-F

ANISOTROPIC CONDUCTIVE ADHESIVE FILM

DESCRIPTION: 126-22-F is an anisotropic conductive, solvent-resistant, transferable adhesive film. This product features excellent adhesion to Kapton, Mylar, glass, and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to methyl ethyl ketone. This product features a hydrophobic resin that has proven well in humid aging studies and is also very resistant to scratching and creasing. Applications for 126-22 include, but are not limited to, conductive splicing of ribbon cables, PTF circuits attachments, and LED surface bonding demands. This product is useful in application where ensuring good electrical contact for all connections is a concern. This product is available in thicknesses from 1 to 5 mils (see product codes below). Other thicknesses are available upon request.

Product Code	Adhesive Thickness (mils)
126-22-F1	1
126-22-F2	2
126-22-F3	3
126-22-F4	4
126-22-F5	5

Substrate Type:
Conductive Coating Type:

Release coated PET
Silver/Polymer

TYPICAL CURED PROPERTIES:

Volume Resistivity (Ω-cm)	
(X, Y Axis)	1x10 ¹²
(Z Axis)	0.0001
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +200
Thermal Stability (°C)	Good to 250

PROCEDURE FOR APPLYING:

1. As with all adhesive bonds, surface preparation is a vital part of the process. Carefully clean both surfaces to be bonded with MEK if possible. If MEK is not compatible with the surfaces to be bonded, another suitable solvent may be used.
2. Allow cleaned surfaces to dry completely.
3. Die cut 126-22-F to the of the size of interface area, remove one of the protective liners, position onto one of the surfaces to be bonded, and warm the substrate/adhesive to 100°C.
4. By applying pressure, laminate the film/adhesive to the substrate smoothing out any trapped air. Allow to cool to room temperature and peel off the other release liner.
5. Position the other substrate and apply a clamp to provide constant pressure.
6. Cure for 10 minutes at 170°C.
7. Remove pressure. Part is ready for use.

STORAGE: Shelf life: 2 weeks at 25°C, 12 months at -10°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.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to suitability in particular application or possible infringements on patents.

REVISION DATE: 05/05/15 REVISION: B