

# PCB Screen Print Materials



Technical Datasheet

## Screen Stencil Film

[www.insulectroexpress.com](http://www.insulectroexpress.com)

- **Description:** PUMA-Cap is the new economically priced, diazo-based capillary film is a convenient, dependable performer with a reputation for producing trouble-free screens. The "workhorse" capillary film for use with UV, solvent-based and plastisol inks. For screen makers demanding high edge definition and reliable durability at a price value.
- **Benefits:**
  - Superior film penetration and adhesion, easy washout
  - Excellent solvent resistance
  - New and improved color for easy registration
- **Rolls dimensions:** *Custom size rolls and sheets are available on request.*

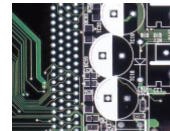


## Screen Registration-Check Film

- **Description:**
  - For protecting circuit boards during set up for screen-printing
  - Reduces scrap due to printing errors and eliminates board clean up time by checking registration on the film, not the board.
- **Dimensions:**
  - Standard Roll Sizes: 18 and 24 in. x 600ft.
  - Thickness : 5 mil

## Legend Inks

- **Description:** Notation or Legend Inks
- **Properties:** Available in *White, Yellow, Black*
  - **Thermal Single Part:** Hard abrasion resistant single-pack inks suitable for most types of circuit boards. A single pack system, therefore no mixing of ink and catalyst needed. No risk of errors in weighing or mixing and no waste since unused ink does not gel.
  - **Thermal Two Part:** A two-pack thermal curing legend ink of high opacity, with good strong colour retention after HASL. Based on DDM-free catalyst.
  - **UV Cured:** High optical strength and high definition UV curing inks for board marking.
  - **LPI Notation Ink :** Thermal hardening two pack liquid photoimageable soldermask/legend ink that dries by evaporation to give an aqueous processable film.



## Peelable Mask

- **Description:** This novel product is suitable for use in the constructive of both flexible and rigid PCBs. It can withstand virtually all chemicals and process used in the construction of both inner & outer layers as well as metallization finishes (such as HASL, ENIG, etc). It acts as a temporary protective coating which can be removed by hand when required.
- **Colors:** Blue and White



## Conductive Inks

- **Description:** Coates currently offer a range of thermosetting carbon based inks, thermal and UV setting silver inks and associated dielectric ink for rigid circuit applications.

## Misc.

- |                           |                    |                       |
|---------------------------|--------------------|-----------------------|
| - Newsprint Blotter Paper | - Squeegee Blades  | - Screen Mesh         |
| - Exposure Lamps          | - Stencil Remover  | - Screen Opener Spray |
| - Vacuum Exposure Units   | - Screen Degreaser |                       |

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