



elecrom elastodur

FILM FOR PRINTED ELECTRONICS



ELECROM is our line of PET films treated for printed electronics applications.

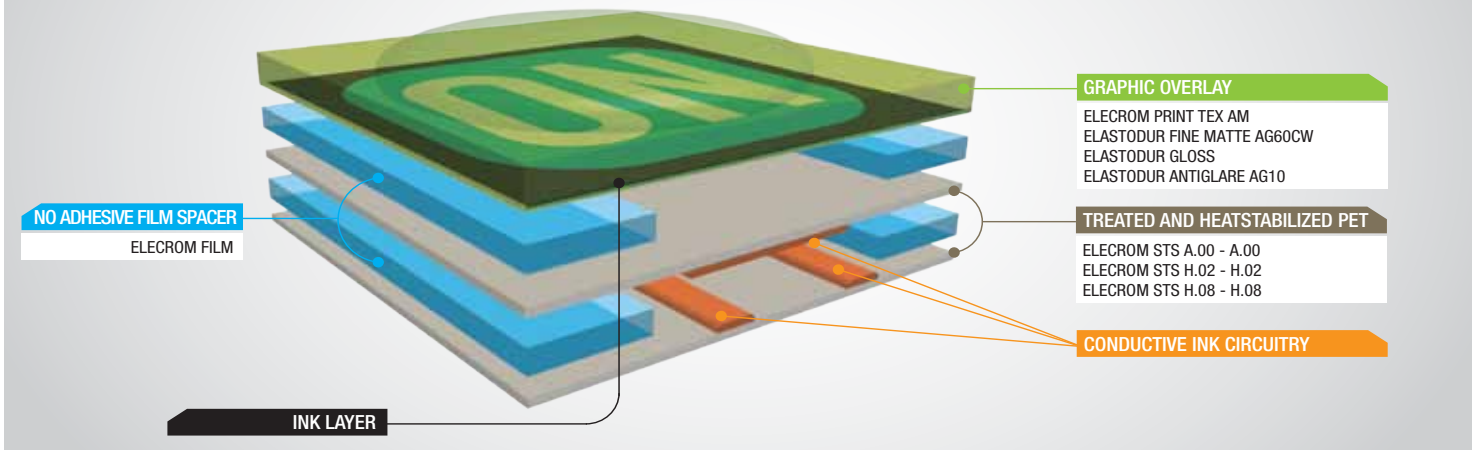
The line features:

- **FILMS FOR GRAPHIC OVERLAY.** These films have a hard coat treatment on one side and they are treated to ensure the best printing versatility on the opposite side. They can be screen printed using solvent or UV inks and they can also be printed using UV inkjet technology. The line features **ELECROM PRINT TEX**, that offers the best printing results of all our films; **ELASTODUR** (by **KIMOTO**) available with a matte, a fine matte and a gloss hard coat finish.

- **FILMS FOR CONDUCTIVE INKS.** Exposed to an advanced heat stabilization process, they maintain the highest dimensional stability and perfect planarity through the printing process. **ELECROM STS A.00-A.00** is a low gloss transparent film designed for best adhesion of both opaque and transparent conductive inks. **ELECROM STS H.02-H.02**, slightly hazy, is designed to bond well with conductive and resistive inks; **ELECROM H.08-H.08**, with a higher haze level, is optimal for applications requiring the strongest bond of conductive inks.

Both H.02 and H.08 have good machinability thanks to their anti-static and anti-block properties.

CROSS SECTIONAL VIEW OF A KEY ON A MEMBRANE SWITCH PAD



HEAT STABILIZED PET FILMS FOR GRAPHIC OVERLAY (COVER)

PRINT TEX specially treated on one side for the best bonding with UV inks printed with inkjet technology, they can also be screen printed with solvent and UV inks. The other side features an antiscratch and antimicrobial matte finishing, which grants best bonding with gloss varnishes.

ELASTODUR print treated for screen printing and UV inkjet inks. The finish on the anti-scratch side is available in three versions: fine matte, gloss and gloss antiglare

Product	Finish	Normal Thickness	Actual Thickness
ELECROM PRINT TEX AM	Matt antimicrobial	125 - 175	135 - 190
ELASTODUR FINE MATTE AG60CW	Fine matt	125 - 175	145 -195
ELASTODUR GLOSS	Gloss	125 - 175	130 - 180
ELASTODUR ANTIGLARE AG10	Gloss Antiglare	175	185

SPACER FILM without adhesive

ELECROM FILM Plain PET film used as spacer between flexible circuits and membrane switches

Product	Finish	Normal Thickness	Actual Thickness
ELECROM FILM	Gloss	50-75-100-125-175-250	50-75-100-125-175-250

HEAT STABILIZED PET FILMS FOR CONDUCTIVE CIRCUITS

A.00-A.00 Clear treatment for the bonding of inks, resins and adhesives, designed for clear conductive inks such as PEDOT or metallic nano molecules based inks.

H.02-H.02 **Special bonding treatment** that increases the surface energy (wettability) ensuring a strong bonding of inks, resins and adhesives, designed for silver (conductive) and carbon (resistive) inks.

H.08-H.08 **Super bonding treatment** that increases the surface energy (wettability) ensuring the strongest bonding of the inks, resins and adhesives.

Product	Finish	Normal Thickness	Actual Thickness
ELECROM STS A.00-A.00	Transparent	125	131 - 136
ELECROM STS H.02-H.02	Low haze	100 - 125 - 175	100-103 125-128 175-178
ELECROM STS H.08-H.08	Hazy	75	76 - 78