

Transparent base films for conductive layers

Overview

These transparent base films were created to meet the stringent quality standards requested by the electronic industry. The products conform with the highest optical quality and offer outstanding product stability and performance.

Depending on the production process, the substrates are designed and produced with different surface treatments and coatings. We offer films that are ideal to reach low electrical resistance during ITO sputtering or offer good printability for various conductive inks.

Our coatings can offer additional properties such as:

- Anti Finger print
- Antiglare
- Antiblocking
- Antibacterial
- Index matching

This brochure presents some of our standard products.

For specific projects the films can be customized according to your needs.

Products

KB_{Film}
TEI

KB_{Film}
CUA

KB_{Film}
CPA

LevSurf
LS100

Features

Hard Coated
Clear
Index matching

Adhesion layer
Clear
Copper adhesion

Hard Coated
Clear

Adhesion layer
Clear
Smooth surface

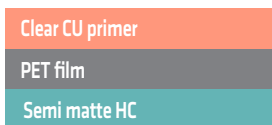
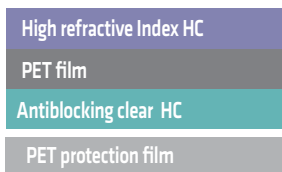
ITO sputtering
Capacitive TP
Low rainbow
Low curl

Capacitive TP
Printable

Capacitive TP
Basefilm for
ITO alternatives
Printable

Planarized (Ra <1nm)
Silver ink
Printable

Structure



Specifications

	KB _{Film} TEI	KB _{Film} CUA	KB _{Film} CPA	LevSurf LS100
Base film	PET 125μ	PET 125μ	PET 50μ	PET 50μ
Hard Coating *1	Yes / 2H	No	Yes / H	No
Light transmission	90.1%	91.6%	91.5%	91.8%
Haze	0.5%	0.8%	0.8%	0.7%
b*	0.8	0.9	0.6	0.25
Wetting index mN/m	36 / 36	38 / 42	42 / 42	36
Flexibility	ø 7mm	ø 3mm	ø 3mm	ø 2mm

All technical data is subject to change

*1 Hardness according to JIS K 5600

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