

## LP3812 (Gloss/Matte)

### Laminating Film for Protecting Digitally Printed Image

#### Description:

LP3812 is a high gloss calender PVC film for protecting digitally printed image. It provides protection from damaging from UV radiation, scratch and abrasion. Moreover, it offers enhanced colors and durability.

#### Advantage:

- Protecting from UV rays, scratch and abrasion (Clear, Transparent grade)
- 3 year durability
- Excellent printing performance
- Enhancing color of image
- Variable Width : 137cm(54"), 152cm(60")

#### Areas of use:

Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, DGI etc

Only guaranteed for lamination use (can be used for printing under no warranty condition)

Indoor and outdoor protection of large format digital image

#### Characteristics:

Item	Description
Film	90 microns transparent film with gloss finish
Thickness	120 microns with adhesive ( $\pm 10\%$ )
Adhesive	Acrylic based pressure sensitive (Solvent based)
Adhesive color	Clear
Liner	Double sides PE coated paper
Application surfaces	Flat, rounding etc

#### Durability:

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 3 years when properly processed and applied (unprinted film vertical exposure)

#### Shelf Life:

Shelf life is 1 year from factory shipment

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Storage condition: Free from excessive moisture, temperature, direct sunlight (20 °C x 50% R.H)

### Physical Properties:

Property	Metric units	Test Method
Thickness (Including adhesive)	120 $\mu$ m $\pm$ 10	Micrometer
Tensile strength	$\geq$ 1.8kg/cm <sup>2</sup>	ASTM 882
Elongation	$\geq$ 100%	ASTM 882
Peel adhesion(24hrs)	1,200g/in	180 peeling PSTC-1
Service temp. range	-25 °C ~ 82 °C	Film applied Al panels 24hrs prior test
Application temp	$\geq$ 10 °C	18 to 25 °C optimum, on clean substrate
Opacity	Tt >85	Haze Meter (Tt: Transmission)
Gloss product	60 $\uparrow$	@60, in Machine Direction
Matte product	10 $\downarrow$	@60, in Machine Direction
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (80 °C Oven, 24hr , Average)
Release liner thickness	0.14mm	

### Fabrication

#### Laminating

No heat is required. It can be used most squeeze roll laminators. Keep the film flat during lamination.

#### Warranty:

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