

# LD2810G

## Solvent Inkjet Film

### Description

LD2810G is a calendered PVC film supplied with permanent pressure sensitive adhesive. It's designed for solvent-based inkjet printing and guarantees up to 2-years outdoor durability. The product is designed to meet high resolution printing with excellent color.

### Features

- 2years durable calendered film
- Excellent printing performance
- Dimensional stability and performance under a wide range of physical and climatic conditions
- Excellent weather resistance: Solvent based acrylic adhesive (Permanent Type)
- Liner: Super flat, double side olefin coated paper

### Application

- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, DGI etc.
  - Outdoor display, sign, exhibition stand, etc.
- ⇒ The films conform well to flat and seamed surfaces, when processed and applied according to LG recommendations.

### Characteristics

Item	Description
Film	3.9 mils(100 microns) opaque film with gloss finish
Thickness	4.8 mils(123 microns) with adhesive (± 10%)
Adhesive	Acrylic based pressure sensitive(Solvent based)
Adhesive color	Grey
Liner	Double side olefin coated paper
Application surfaces	Flat, slightly curved surfaces
Application temp.	≥10 °C (18 to 25 °C optimum)

### Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 2 years when

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properly processed and applied (unprinted film vertical exposure).

### Shelf Life

Shelf life is 1 year from factory shipment.

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

### Physical Properties

Property	Specification	Test Method
Thickness (Including adhesive)	123 $\mu$ m $\pm$ 10%	Micrometer
Tensile strength	$\geq$ 1.8kg/cm	ASTM 882
Elongation	$\geq$ 100%	ASTM 882
Peel adhesion(24hrs)	$\geq$ 1,000g/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 $\leq$ 10	Haze Meter (Tt: Transmission)
Gloss	60 $\uparrow$	@60, in Machine Direction
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (80 °C Oven, 24hr , Average)
Release liner thickness	0.15mm $\pm$ 10%	Micrometer

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