

## LD2840 – Monomeric Digital Print Vinyl

### Description

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LD2840 is a white opaque glossy PVC film for solvent inkjet printing. This is designed to meet high resolution printing with excellent color.

### Features

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- 2 years durable calendared film
- Excellent printing performance
- Dimensional stability and performance under a wide range of physical and climatic conditions
- Using solvent based acrylic adhesive (Removal Type)
- Liner: Flat, Clay coated paper

### Areas of use

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

### Converting Methods

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#### Printing

The film can be printed with solvent based ink. For the outdoor durability, it must be printed with a pigmented ink in accordance with the supplier recommendations.

### Compatible Products

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- LG Protective Laminate: LP2712
- LG Protective Laminate: LP3812
- LG Protective Laminate: LP3842

### Characteristics

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Item	Description
Film	100 micron opaque film with gloss finish
Thickness	125 micron with adhesive ( $\pm 10\%$ )
Adhesive	Acrylic based pressure sensitive (Solvent based)
Adhesive color	Clear
Liner	Clay coated paper
Application surfaces	Flat, slightly curved surfaces
Application temp.	$\geq 10^{\circ}\text{C}$ (18 to $25^{\circ}\text{C}$ optimum)

### Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 2 years when 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	Metric Units	Test Method
Thickness (Including adhesive)	125 µm ± 10 %	Micrometer
Tensile strength	≥ 1.8 kg/cm <sup>2</sup>	ASTM 882
Elongation	≥ 100 %	ASTM 882
Peel adhesion (24 hrs)	≥ 500 g/in	180 peeling PSTC-1
Service temp. range	-45°C ~ 82°C	Film applied Al panels 24 hrs prior test
Application temp.	≥ 10°C	18 to 25°C optimum, on clean substrate
Opacity	Tt ≤ 10	Haze Meter (Tt: Transmission)
Gloss	60 ↑	at 60°, in Machine Direction
Release liner thickness/weight	0.13 mm / 140g/m <sup>2</sup>	

### ICC Profiles

ICC Profiles for this product are available for download at <http://sign.lghausys.eu/en/ld2800>.

### Warranty

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