

LD2800 – Monomeric Digital Print Vinyl

Description

LD2800 is a white opaque glossy PVC film for solvent inkjet printing. This is designed to meet high resolution printing with excellent color.

Features

- 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 (Permanent Type)
- Liner: Flat, Clay coated paper

Areas of use

- 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

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

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

Characteristics

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°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 ²	ASTM 882
Elongation	≥ 100 %	ASTM 882
Peel adhesion (24 hrs)	≥ 1,600 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	0.12 mm / 135g/m ²	

ICC Profiles

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

Warranty

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