

## LD3911 – Polymeric Digital Print Vinyl

### Description

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LD3911 is a white opaque PVC film for solvent inkjet printing, available in both gloss and matte finish. This is designed to meet high resolution printing with excellent color.

### Features

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- Outdoor Durability: 5 years
- 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
- 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.
- Shelf Life: 1 year

### 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 pigmented ink in accordance with the supplier's recommendations.

#### Cutting

Use one of these cutting methods

- Sharp knife, Cold steel rule die, Razor blade

### Compatible Products

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- LG Protective Laminate: LP3912
- LG Protective Laminate: LP3942

### Durability

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Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 5 years, when properly processed and applied (unprinted film vertical exposure).

#### Accelerated: 2000 hr minimum

As determined in an Atlas Weather-o-meter conforming to ASTM G-26-77, section4, using the standard dual cycle of 102 minutes of light at 63°C and 18minutes of water spray at 63°C.

#### Accelerated: 1000 hr minimum

As determined in a QUV weathering tester using UV light(UVB 313 bulbs) at 63°C.

### 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)	110 µm ± 10 %	Micrometer
Tensile strength	≥ 1.8 kg/cm <sup>2</sup>	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
Opacity	Tt ≤10	Haze Meter (Tt: Transmission)
Gloss	60 ↑	at 60°, in Machine Direction
Release liner thickness/weight	0.14 mm / 130 g/m <sup>2</sup>	

### ICC Profiles

ICC Profiles for this product are available for download at <http://sign.lghausys.eu/en/ld3911>.

### Warranty

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### LG Hausys Europe GmbH

Lyoner Straße 15, ATRICOM C6  
60528 Frankfurt am Main  
Germany

Phone: 0049 69 - 58 30 29 - 441

Fax: 0049 69 - 58 30 29 - 480

Email: [sign@lghausys.eu](mailto:sign@lghausys.eu)

Web: <http://sign.lghausys.eu/en>