

## LG Hausys sign & graphic materials

### LD4910M

#### Solvent Inkjet Film (White, Polymeric grade)

#### Description:

LD4910M is a white Translucent Matte PVC film for solvent inkjet printing. This is designed to meet high resolution printing with excellent color.

#### Advantage:

- 5years durable calendered film(polymeric grade)
- 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 PE 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 Hausys's recommendations.

#### Characteristics:

Item	Description
Film	3.9 mils(100 microns) translucent film with matte finish
Thickness	5.1 mils(130 microns) with adhesive ( $\pm 10\%$ )
Adhesive	Acrylic based pressure sensitive(Solvent based)
Adhesive color	Clear
Liner	Double side PE 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 5 years, when

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properly processed and applied (unprinted film vertical exposure).

### Accelerated: 2000hr minimum

As determined in an Atlas Weather-o-meter conforming to ASTM G-26-77, section4, using the standard dual cycle of 102minutes of light at 145°F(63 °C) and 18minutes of water spray at 145°F(63 °C)

### Accelerated: 1000hr minimum

As determined in a QUV weathering tester using UV light(UVB 313 bulbs) at 145°F(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)	130/μm ± 10	Micrometer
Tensile strength	≥ 1.8kg/cm <sup>2</sup>	ASTM 882
Elongation	≥ 100%	ASTM 882
Peel adhesion(24hrs)	≥1,600g/in	180 peeling PSTC-1
Service temp. range	-25°C ~ 82 °C	Film applied Al panels 24hrs prior test
Application temp.	≥ 10°C	18 to 25°C optimum, on clean substrate
Opacity	Tt > 20	Haze Meter (Tt: Transmission)
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (80°C Oven, 24hr , Average)
Gloss	10 ↓	@60, in Machine Direction
Release liner thickness	0.14mm	

### Warranty:

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