

LD4910 – Polymeric Translucent Digital Print Vinyl

Description

LD4910 is a white translucent matte PVC film for solvent inkjet printing. This is designed to meet high resolution printing with excellent color.

Features

- 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)
- 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 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

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

Durability

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, section 4, using the standard dual cycle of 102 minutes of light at 63°C and 18 minutes 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)	130 $\mu\text{m} \pm 10$	Micrometer
Tensile strength	$\geq 1.8 \text{ kg/cm}^2$	ASTM 882
Elongation	$\geq 100 \%$	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.	$\geq 10^\circ\text{C}$	18 to 25°C optimum, on clean substrate
Opacity	Tt > 20	Haze Meter (Tt: Transmission)
Gloss	10 \downarrow	at 60°, in Machine Direction
Release liner thickness/weight	0.14 mm / 130g/m ²	

ICC Profiles

ICC Profiles for this product are available for download at <http://sign.lghausys.eu/en/ld4910>.

Warranty

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