

LD3811 – Monomeric Digital Print Vinyl

Description

LD3811 is a white opaque PVC film for solvent inkjet printing, available in gloss and matte finish. LD3811 is designed to meet high resolution printing with excellent color.

Features

- Outdoor Durability: 3 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 (130 g/m²)
- 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

Printing

The film can be printed with solvent-based ink. For outdoor applications, 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: LP3812
- LG Protective Laminate: LP3842
- LG Protective Laminate: LP40000
- LG Protective Laminate: LP41000

Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 4 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)	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)	$\geq 1,600 \text{ g/in}$	180 peeling PSTC-1
Service temp. range	$-45^\circ\text{C} \sim 82^\circ\text{C}$	Film applied Al panels 24 hrs prior test
Application temp.	$\geq 10^\circ\text{C}$	18 to 25°C optimum, on clean substrate
Opacity	$Tt \leq 10$	Haze Meter (Tt: Transmission)
Gloss	60 \uparrow	at 60° , in Machine Direction
Release liner thickness/weight	0.14 mm / 130 g/m^2	

ICC Profiles

ICC Profiles for this product are available for download at www.vizuon.eu/en/ld3811.

Warranty

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