

Digital Solvent Inkjet Film
VIZUON Print LD383AG (White, Intermediate grade)

Dated: 11/14/07

Description:

VIZUON Print **LD383AG** is a white opaque Gloss PVC film with AiRFREE technology for solvent inkjet printing. This is designed to meet high resolution printing with excellent color.

AiRFREE technology allows trapped air to be released during application. AiRFREE is LG Chem's proprietary technology that utilizes embossing patterns on the release liner, making it easier to remove trapped bubbles and enhancing adhesion.

Advantage:

- **3 years** durable calendered film(Intermediate grade)
- Excellent printing performance
- Dimensional stability and performance under a wide range of physical and climatic conditions
- Excellent weather resistance: Solvent based acrylic adhesive (**Repositionable Type**)
- Release liner: **83#** Super flat, double side PE coated paper
- Variable Width : 30", 54", 60"

Areas of use:

- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, SEIKO, HP etc.
- Outdoor display, sign, exhibition stand, automotive advertising

Characteristics:

Item	Description
Film	3.2 mils opaque film with gloss finish
Thickness	4.2 mils with adhesive (± 10 %)
Adhesive	Acrylic based pressure sensitive(Solvent based)
Adhesive color	Grey
Liner	83# Double side olefin coated paper
Application surfaces	Flat, slightly curved surfaces
Application temp.	≥10°C(18 to 25°C optimum)

Durability:

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is **3 years** when properly processed and applied (unprinted film vertical exposure).

Accelerated: 1200hr 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)

Shelf Life:

Shelf life is 1 years 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)	105µm ± 10	Micrometer
Tensile strength	≥ 1.8kg/cm ²	ASTM 882
Elongation	≥ 100%	ASTM 882
Peel adhesion(24hrs)	≥1,600g/in	180 peeling PSTC-1
Service temp. range	-45°C ~ 82°C	Film applied Al panels 24hrs prior test
Application temp.	≥ 10°C	18 to 25°C optimum, on clean substrate

Opacity	Tt ≤ 10	Haze Meter (Tt: Transmission)
Gloss	60 ↑	@60, in Machine Direction
Release liner thickness/weight	0.14mm/135g/m²	

Fabrication:

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.

Warranty:

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