

## LD284TG

### Solvent Inkjet Film

#### Description

LD284TG is a calendered PVC film with LG Hausys's AiRFREE™ technology . It is supplied with removable pressure sensitive adhesive. It's designed for solvent-based inkjet printing and guarantees up to 2-years outdoor durability. AiRFREE™ technology allows trapped air to be released during application. AiRFREE™ is LG Hausys's proprietary technology that utilizes embossing patterns on the release liner, making it easier to remove trapped bubbles and increasing overall efficiency and productivity.

#### Features

- 2years durable calendered film
- Excellent printing performance
- Dimensional stability and performance under a wide range of physical and climatic conditions
- Excellent weather resistance: Solvent based acrylic adhesive (Removable Type)
- Liner: Super flat, double side olefin coated paper

#### Application

- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, DGI etc.
  - Outdoor display, sign, exhibition stand, etc.
- ⇒ The films conform well to flat and seamed surfaces, when processed and applied according to LG recommendations.

#### Characteristics

Item	Description
Film	3.9 mils(100 microns) opaque film with gloss finish
Thickness	4.7 mils(120 microns) with adhesive (± 10%)
Adhesive	Acrylic based pressure sensitive(Solvent based)
Adhesive color	Clear
Liner	Double side olefin coated paper
Application surfaces	Flat, slightly curved surfaces
Application temp.	≥10℃ (18 to 25℃ optimum)

## LG Hausys Sign & graphic materials

### Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 2 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	Specification	Test Method
Thickness (Including adhesive)	120 $\mu$ m $\pm$ 10%	Micrometer
Tensile strength	$\geq$ 1.8kg/cm	ASTM 882
Elongation	$\geq$ 100%	ASTM 882
Peel adhesion(24hrs)	$\geq$ 800g/in	180 peeling PSTC-1
Service temp. range	-25 °C ~ 82 °C	Film applied Al panels 24hrs prior test
Application temp.	$\geq$ 10 °C	18 to 25 °C optimum, on clean substrate
Opacity	Tt $\leq$ 10	Haze Meter (Tt: Transmission)
Gloss	60 $\uparrow$	@60, in Machine Direction
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (80 °C Oven, 24hr , Average)
Release liner thickness	0.15mm $\pm$ 10%	Micrometer

#### Notice :

*The information provided on this sheet represents typical properties and does not constitute a specification. No liability will be accepted for errors and omissions and in no circumstances shall LG Hausys Ltd be liable for any loss or injury arising directly or as a consequence of the publication of this data sheet. All LG Hausys vinyl sold subject to our conditions of sale. LG Hausys also retains the right to change sizes and specifications of products without prior notice.*