

## **LD3921G**

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

#### **Description**

LD3921G is a white opaque glossy calendered PVC film for solvent inkjet printing. This is designed to meet high resolution printing with excellent color.

#### **Features**

- 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

#### **Application**

- 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.

#### **Characteristics**

<b>Item</b>	<b>Description</b>
Film	3.2 mils(80 microns) opaque film with gloss finish
Thickness	4.3 mils(110 microns) with adhesive (± 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.	≥10℃ (18 to 25℃ optimum)

#### **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).

**LG Hausys Sign & graphic materials**

**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(UVA 351 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	Specification	Test Method
Thickness (Including adhesive)	110µm ± 10%	Micrometer
Tensile strength	≥ 1.8kg/cm	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
Opacity	Tt ≤16	Haze Meter (Tt: Transmission)
Gloss	60 ↑	@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 ± 10%	Micrometer

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