

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

Item	Description
Film	3.2 mils(80 microns) opaque film with gloss finish
Thickness	4.3 mils(110 microns) with adhesive ($\pm 10\%$)
Adhesive	Acrylic based pressure sensitive(Solvent based)
Adhesive color	Clear
Liner	Double side PE coated paper
Application surfaces	Flat, slightly curved surfaces
Application temp.	$\geq 10^{\circ}\text{C}$ (18 to 25 $^{\circ}\text{C}$ 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, section 4, using the standard dual cycle of 102 minutes of light at 145°F (63°C) and 18 minutes 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

Notiæ :

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 use 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.