LD821T Graphic Film

LG Hausys

Features

58 micron CAST White PVC film

Permanent & Grey adhesive

Double-side PE Coated Air Free Liner

Up to 7 years durability

Applications

- ■ Outdoor Signage
- ■ Indoor Signage
- ☐ Vehicle Wraps
- ☐ Vehicle slight curve
- ☐ Back-lit
- ■ Window
- ■ Smooth Wall
- ☐ Textured Wall
- ☐ LSE (PP, PE, ABS)
- ☐ Signboard (Lettering)

Printers

- ■ Solvent Inkjet
- ■ Latex Inkjet
- ■ UV Inkjet
- ☐ Screen Printing
- ☐ Not Printable

Roll Sizes

- ☐ 105cm (41in)
- ☐ 110cm (43in)
- ■ 122cm (48in)
- ☐ 127cm (50in)
- ■ 137cm (54in)
- ■ 152cm (60in)
- ☐ 155cm (61in)
- ☐ 160cm (63in)

Fire Certification

Class B. BS EN 13501-1:2007

Physical Properties

Property	Specification	Test Method
Thickness (Including adhesive)	90μm $\pm$ 10%	Micrometer
Tensile strength	$\geq$ 1.8kg/cm	ASTM 882
Elongation	$\geq$ 100%	ASTM 882
Peel adhesion(24hrs)	$\geq$ 1,400g/in	180 peeling PSTC-1
Application temp.	$\geq$ 10℃	18 to 25℃ optimum, on clean substrate
Gloss : LD821TG	60 ↑	@60, in Machine Direction (ASTM D 2457)
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (100℃ Oven, 2hr , Average)
Release liner thickness	0.18mm $\pm$ 10%	Micrometer

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▌ Recommendation

Shelf life

Shelf life is 12 months from factory shipment.
Storage condition: Free from excessive moisture, temperature, direct sunlight (20℃ x 50% R.H)

Durability

Durability is based on unprinted film vertical exposure
Please see Durability guide of LG Hausys (www.lghausys.com)

Lamination Film

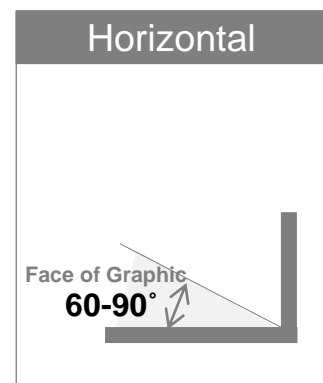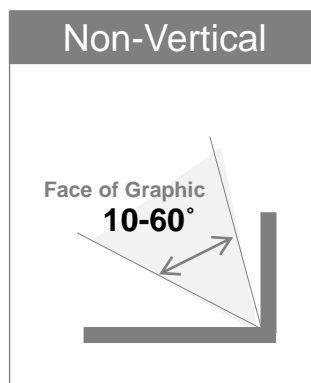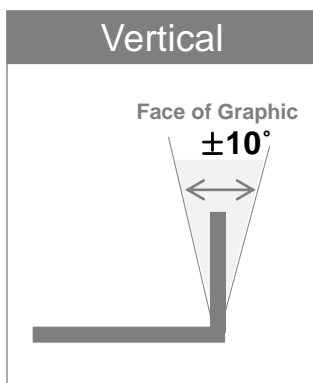**Cast DPM Series are recommended to use with LG Cast lamination film**
- LP80990, LP90990 : 58㎛ Cast
- LP809904, LP909904 : 40㎛ Cast
- LFC80990 : 58㎛ Cast with PVDF(Top Layer)

▌ Durability Guide

Durability Period & Exposure Conditions

Exposure to	Durability period		Examples (7 years product, Zone 1&2)
	Zone 1 & 2	Zone 3	
Vertical	100%	50%	7 years × 100% = 7 years
Non-Vertical	60%	30%	7 years × 60% = 4 years
Horizontal	30%	15%	7 years × 30% = 2 years

Vertical	Non-Vertical	Horizontal
Face of Graphic ±10˚	**Face of Graphic** 10-60˚	**Face of Graphic** 60-90˚

Please refer to LG Hausys durability guide of zone 1,2 and 3. (Zone system chart)

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