

LG Hausys sign & graphic materials

LP2812G(Gloss)

Laminating Film for Protecting Digitally Printed Image

Description:

LP2842 is a high gloss calendered PVC film for protecting digitally printed image. It provides protection from damaging from UV radiation, scratch and abrasion. Moreover, it offers enhanced colors and durability.

Advantage:

- Protecting from UV rays, scratch and abrasion (Clear, Transparent grade)
- 2year durability
- Enhancing color of image
- Variable Width : 137cm(54"), 152cm(60")"

Areas of use:

Protection of digitally printed image (the usage of LP2842 is confined to laminating only)

Characteristics:

Item	Description
Film	70 microns Transparent film with gloss finish
Thickness	95 microns with adhesive ($\pm 10\%$)
Adhesive	Acrylic based pressure sensitive (Solvent based)
Adhesive color	Clear
Liner	Double sides PE coated paper
Application surfaces	Laminating of digital printing image
Application temp.	$\geq 10^{\circ}\text{C}$ (18 to 25°C optimum)

Durability:

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 2 years when properly processed and applied (In case of 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)

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Physical Properties:

Property	Metric units	Test Method
Thickness (Including adhesive)	95 μm \pm 10	Micrometer
Tensile strength	\geq 1.8kg/cm ²	ASTM 882
Elongation	\geq 100%	ASTM 882
Peel adhesion(24hrs)	\geq 1,200g/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 >85	Haze Meter (Tt: Transmission)
Gloss	60 \uparrow (Gloss)	@60, in Machine Direction
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (80 °C Oven, 24hr , Average)
Release liner thickness	0.14mm	

Fabrication

Laminating

No heat is required. It can be used most squeeze roll laminators. Keep the film flat during lamination.

Warranty:

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