

LP2812/LP2842 – Monomeric Protective Laminate

Description

LG Hausys LP2812/LP2842 is a high gloss & matte calender 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.

Features

- Protecting from UV rays, scratch and abrasion (clear, transparent grade)
- Excellent durability: 2 years
- Excellent printing performance
- Enhancing color of image
- Removability LP2812: permanent
- Removability LP2842: removable

Areas of use

- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, SEIKO etc.
- Outdoor display, sign, exhibition stand, automotive advertising

Fabrication

Laminating

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

Compatible Products

- Compatible with the base films LD2700, LD2710, LD2740, LD2750, LD2800, LD2840, LD2900, LD3811, LD381T, LD383T, LD3850 and LD385T.

Characteristics

Item	Description
Film	0,070 mm Transparent film with gloss finish
Thickness	0,095 mm with adhesive ($\pm 10\%$)
Adhesive	Acrylic based pressure sensitive (Solvent based)
Adhesive color	Clear
Liner	Double sides PE coated paper (135 g/m ²)
Application surfaces	Flat, rounding etc.
Application temp.	$\geq 10^{\circ}\text{C}$ (18 bis 25 $^{\circ}\text{C}$ optimum)

Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 2 years when properly processed and applied (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	Metric units	Test Method
Thickness (Including adhesive)	95 µm ± 10	Micrometer
Tensile strength	≥ 1.8 kg/cm ²	ASTM 882
Elongation	≥ 100 %	ASTM 882
Peel adhesion (24 hrs)	1,600 g/in	180 peeling PSTC-1
Service temp. range	-45°C ~ 82°C	Film applied Al panels 24 hrs prior test
Application temp	≥ 10°C	18 to 25°C optimum, on clean substrate
Opacity	Tt > 90	Haze Meter (Tt: Transmission)
Gloss	70 ↑	at 60, in Machine Direction
Release liner thickness/weight	0.14 mm / 130 g/m ²	

Warranty

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