

LP5912G – Polymeric Protective Laminate

Description

LP5912G is a high gloss thin 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.

Features

- Protecting from UV rays, scratch and abrasion (Clear, Transparent grade)
- 5year durability
- Enhancing color of image
- Variable Width : 137 cm (54"), 152 cm (60")

Application

- Protection of digitally printed image (the usage of LP5912G is confined to laminating only)

Compatible Products

- Compatible with the base films LD593T.

Characteristics

Item	Description
Film	50 microns Transparent film with gloss finish
Thickness	75 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 5 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.).

Physical Properties

Property	Metric units	Test Method
Thickness (Including adhesive)	75 µm ± 10 %	Micrometer
Tensile strength	≥ 1.8 kg/cm ²	ASTM 882
Elongation	≥ 100 %	ASTM 882
Peel adhesion (24hrs)	1,200 g/in	180 peeling PSTC-1
Service temp. range	-25°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 > 85	Haze Meter (Tt: Transmission)
Gloss	60 ↑	at 60, in Machine Direction
Dimensional Stability	Max 0.5mm	Adhered to Aluminum Plate, Length Direction (80°C Oven, 24hr , Average)
Release liner thickness/weight	0.15 mm ± 10 %	Micrometer

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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