

LC5110/5111/5120/5121

Metalized Film Series

Description

Metalized Film is an opaque polyester film. It offers exceptional metallic effect and has excellent cutting properties on a wide range of computerized cutting plotter.

Features

- Excellent pearlescent effect
- High gloss surface/Brushed surface
- Color range (Silver/Gold)
- Excellent weather resistance: Solvent based acrylic adhesive
- Select liner: Double side olefin coated Paper

Characteristics

Item	Description
Film	2.0 mils(0.05mm) opaque film with gloss finish
Film thickness	3.1 mils(0.08mm)with adhesive (± 10%)
Adhesive	Acrylic based pressure sensitive (Solvent based)
Adhesive color	Clear
Liner	Double side olefin coated Paper / kraft Paper
Application Surfaces	Flat , rigid surface
Application Temp	≥10℃ (18 to 25℃ optimum)

Converting Methods

Cutting

Use one of these cutting methods

Electro cut/Hand cut/Kiss cut/Die cut

⇒ These factors can affect cutting and weeding quality

Weight on the knife: Slightly notch the liner.

Sharpness of the knife blade: Dull knives creates a serrated look to cut edge of the film

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Compatible Products

- LG Banner/FLEX products
- LG Application Tape (LC2000)

Physical Properties

Property	Specification	Test Method
Thickness (Including adhesive)	3.1mils(80 μ m) \pm 10%	Micrometer
Tensile strength	\geq 3kg/cm	ASTM 882
Elongation	\geq 50%	ASTM 882
Peel adhesion(24hrs)	\geq 1,600g/in	180 peeling PSTC-1
Service temp. range	-25 $^{\circ}$ C ~ 82 $^{\circ}$ C	Film applied Al panels 24hrs prior test
Application temp.	\geq 10 $^{\circ}$ C	18 to 25 $^{\circ}$ C optimum, on clean substrate

Durability

Durability is based on field experience and exposure tests in South Korea. Outdoor durability is 1 year, 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 $^{\circ}$ C x 50% R.H)

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