

LG Hausys sign & graphic materials

LD393TG

Solvent Inkjet Film

Description:

LD393TG is a calendered PVC vinyl with LG Hausys's AiRFREE™ technology. It's designed for solvent-based inkjet printing and guarantees up to 5-years outdoor durability. AiRFREE™ technology allows trapped air to be released during application. AiRFREE™ is LG Hausys's proprietary technology that utilizes embossing patterns on the release liner, making it easier to remove trapped bubbles and increasing overall efficiency and productivity.

Advantage:

- 5years durable calendered film
- Excellent printing performance
- Dimensional stability and performance under a wide range of physical and climatic conditions
- Excellent weather resistance: Solvent based acrylic adhesive (Repositionable Type)
- Liner: Super flat, double side PE coated paper

Areas of use:

- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, DGI etc.
- Outdoor display, sign, exhibition stand, automotive advertising
 - ⇒ The films conform well to flat and seamed surfaces, when processed and applied according to LG Hausys's recommendations.

Characteristics:

| Item | Description |
|----------------------|--|
| Film | 80 microns opaque film with gloss finish |
| Thickness | 110 microns with adhesive ($\pm 10\%$) |
| Adhesive | Acrylic based pressure sensitive(Solvent based) |
| Adhesive color | Grey |
| Liner | Double side PE coated paper |
| Application surfaces | Flat, slightly curved surfaces |
| 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 (unprinted film vertical exposure).

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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) | 110 μ m \pm 10 | Micrometer |
| Tensile strength | \geq 1.8kg/cm ² | ASTM 882 |
| Elongation | \geq 100% | ASTM 882 |
| Peel adhesion(24hrs) | \geq 1,400g/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 \leq 10 | Haze Meter (Tt: Transmission) |
| Gloss | 60 \uparrow | @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 | |

Warranty:

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