

LD923T – Vehicle Wrapping Cast Film for Digital Printing

Description

LD923T is an opaque cast vinyl with LG Hausys' Airfree™ technology. It also features a long-term durability up to 8 years and repositionable acrylic pressure-sensitive adhesive that make application faster. Airfree™ technology allows trapped air to be released during application. Airfree™ is LG Hausys' proprietary technology that utilizes embossing patterns on the release liner, making it easier to remove trapped bubbles and increasing overall efficiency and productivity.

Features

- Outstanding dimensional stability (Shrinkage rate less than 5 %)
- Excellent printing performance
- Excellent layflatness even in humid conditions
- Excellent weather resistance: Solvent-based acrylic adhesive(Repositionable type)
- Release liner: 98# Super flat, Double-side, olefin-coated Paper
- Solvent inkjet printing: HP, Roland, Vutek, Arizona, Mimaki, Mutoh,, Seiko etc.
- Outdoor displays, signs, exhibition stands, and vehicle wrap

The film conforms well to flat and seamed surfaces when processed and applied according to LG Hausys' recommendations.

Compatible Product

- LP80990 – Cast Protective Laminates
- LP90990 – Cast Protective Laminates
- LP80994 – Cast Protective Laminates
- LP90994 – Cast Protective Laminates
- LP89000 – Cast Protective Laminates

All information given concerning LG Hausys' films is based upon our practical experience. The research is believed to be accurate, but does not constitute a warranty or guarantee. Due to the wide variety of applications, the customer should independently verify the suitability of the material for the specific application.

Vinyl films should only be applied to properly cleaned surfaces. Any painted or treated surface should be allowed to thoroughly cure before applying any vinyl film. Some vinyl films may be incompatible with some paints and lacquers; therefore, the customer should independently test the product before the actual application.

Characteristics

Item	Description
Film	50 microns opaque film with glossy finish
Thickness	75 microns with adhesive (± 10 %)
Adhesive	Acrylic, pressure-sensitive (Solvent-based)
Adhesive color	Grey
Liner	Double-side, olefin-coated paper / Kraft Paper
Application surfaces	Flat or compound / curved surfaces, rivets
Application temp.	≥ 10°C (18 to 25°C optimum)

Durability

Outdoor durability is up to 8 years when properly processed and applied (unprinted film, vertical exposure) according to LG's recommendation. Durability is based on field experience and exposure tests in South Korea.

Shelf Life

Shelf life is 1 year from factory shipment.

Storage condition

Free from excessive moisture, temperature and direct sunlight (20°C x 50 % R.H.).

Physical Properties

Property	Metric Units	Test Method
Thickness (Including adhesive)	75 microns ($\pm 10\%$)	Micrometer
Tensile strength	≥ 2.3 kgf/in	ASTM 882
Elongation	$\geq 95\%$	ASTM 882
Peel adhesion (24hrs)	2.2 lbs/in	180 peeling PSTC-1
Service temp. range	-45°C ~ 82°C	Film applied AI panels 24 hrs prior to test
Application temp.	$\geq 10^\circ\text{C}$	18 to 25°C optimum, on clean substrate

ICC Profiles

ICC Profiles for this product are available for download at <http://sign.lghausys.eu/en/ld923t>.

Warranty

The information provided on this sheet represents typical properties and does not constitute a specification. No liability will be accepted for errors and omissions and in no circumstances shall LG Hausys Ltd. be liable for any loss or injury arising directly or as a consequence of the publication of this data sheet. All LG Hausys vinyl sold are subject to our conditions of sale. LG Hausys also retains the right to change sizes and specifications of products without prior notice.