

## Digital Solvent Inkjet Film

### VIZUON CAST LD823AG (White, High-Performance Cast Film with AiRFREE™)

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#### Description

VIZUON CAST LD823AG is an opaque cast vinyl with AiRFREE™ technology by LG Chem. It also features a long-term durability for up to 8 years and a highly cohesive acrylic pressure-sensitive adhesive that is protected with a high quality siliconized liner. AiRFREE™ technology allows trapped air to be released during application. AiRFREE™ is LG Chem's 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 0.5%)
- Excellent printing performance
- Excellent lay flatness even in humid conditions
- Excellent weather resistance: Solvent-based acrylic adhesive
- Excellent Initial Installation: Reposition Adhesive
- Release liner: 98# Super flat, Double-side, olefin-coated Paper
- Available Width: 54"
- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, Seiko, HP, 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 Chem's recommendations.

#### Compatible Product

- VIZUON CAST LP80990, LP90990 – Cast Overlamine Film.

All information given concerning LG Chem VIZUON 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	2.3 mil, opaque film with glossy finish
Thickness	3.3 mil with adhesive ( $\pm 10\%$ )
Adhesive	Acrylic, pressure-sensitive (Solvent-based)
Adhesive color	Gray
Liner	Double-side, olefin-coated paper / Kraft Paper
Application surfaces	Flat or compound/curved surfaces, rivets
Application temp.	$\geq 50^{\circ}\text{F}$ ( $65^{\circ}\text{F}$ to $77^{\circ}\text{F}$ optimum)

### Physical Properties

Property	Metric Units	Test Method
Thickness (Including adhesive)	85 microns (± 10 %)	Micrometer
Tensile strength	≥ 2.3 kgf/in	ASTM 882
Elongation	≥ 95 %	ASTM 882
Peel adhesion(24hrs)	2.2 lbs/in	180 peeling PSTC-1
Service temp. range	-13°F ~ 179°F	Film applied Al panels 24hrs prior to test
Application temp.	≥ 50°F	65°F to 77°F optimum, on clean substrate

### Durability

Long-term outdoor durability for up to 8 years when properly processed and applied (unprinted film, vertical exposure). Durability is based upon field experience and exposure tests believed to be accurate.

### Shelf Life

Shelf life is 1 year from factory shipment.

Storage condition: Free from excessive moisture, temperature, & direct sunlight (68°F x 50% R.H)

### ICC Profiles

ICC Profiles for this product are available for download at [www.LGVIZUON.com](http://www.LGVIZUON.com).

### 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 Chem Ltd be liable for any loss or injury arising directly or as a consequence of the publication of this data sheet. All LG Chem vinyl sold are subject to our conditions of sale. LG Chem also retains the right to change sizes and specifications of products without prior notice.*