

**Laminating Film for Protecting Digitally Printed Images  
VIZUONCAST LP 80990 (Clear, Glossy High-Performance Cast Film)**

Dated: 09/25/2006

**Description:**

VIZUON CAST LP80990 is a high-gloss cast clear PVC film for protecting digitally printed images. It provides protection from UV radiation damage, scratches, and abrasion. Moreover, it offers enhanced colors and durability.

**Advantages:**

- Protection from UV rays, scratches, and abrasion (Clear, Transparent grade)
- Excellent durability
- Excellent printing performance
- Enhanced color of image
- Available Width: 54"

**Applications:**

- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, Seiko, HP, etc
- Indoor and outdoor protection of large format digital images.

**Compatible Product:**

- VIZUON CAST LD821AG – Cast Print Vinyl with AiRFREE™ technology.

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.

**Physical Properties:**

Item	Description
Film	2.3 mil transparent film with glossy finish
Thickness	3.5 mils with adhesive ( $\pm 10\%$ )
Adhesive	Acrylic, pressure-sensitive (Solvent-based)
Adhesive color	Clear
Liner	Double-side, olefin-coated paper / Kraft Paper
Application surfaces	Flat, without rivets
Application temp.	$\geq 50^{\circ}\text{F}$ ( $65^{\circ}\text{F}$ to $77^{\circ}\text{F}$ optimum)

**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)

**Physical Properties:**

Property	Metric Units	Test Method
Thickness (Including adhesive)	3.5 mils ( $\pm 10\%$ )	Micrometer
Tensile strength	$\geq 21.3$ lbs/in <sup>2</sup>	ASTM 882
Elongation	$\geq 100\%$	ASTM 882
Peel adhesion(24hrs)	2.65 lbs/in	180 peeling PSTC-1
Service temp. range	-13°F ~ 179°F	Film applied Al panels 24hrs prior to test
Application temp.	$\geq 50^\circ\text{F}$	65°F to 77°F optimum, on clean substrate

**ICC Profiles:**

ICC Profiles for LD821AG and other VIZUON products 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.*