

LP80990 – Cast Protective Laminate

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.

Features

- Protection from UV rays, scratches, and abrasion (Clear, Transparent grade)
- Excellent durability
- Excellent printing performance
- Enhanced color of image
- Solvent inkjet printing: Vutek, Arizona, Mimaki, Mutoh, Roland, Seiko, HP, etc
- Indoor and outdoor protection of large format digital images.

Compatible Product

- VIZUON CAST LD8210/LD821A, LD823A – Cast Digital 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.

Characteristics

Item	Description
Film	2.3 mils (60 µm) transparent film with glossy finish
Thickness	3.5 mils (89 µm) with adhesive (± 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.	≥ 10°C (18°C to 25°C 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 (20°C x 50 % R.H.).

Physical Properties

Property	Metric Units	Test Method
Thickness (Including adhesive)	3.5 mils (89 µm)± 10 %	Micrometer
Tensile strength	≥ 1.5 kg/cm ²	ASTM 882
Elongation	≥ 100 %	ASTM 882
Peel adhesion (24 hrs)	1,500 g/in	180 peeling PSTC-1
Service temp. range	-25°C ~ 82°C	Film applied Al panels 24 hrs prior to test
Application temp.	≥ 10°C	18°C to 25°C optimum, on clean substrate

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 cause LG is liable for any loss or injury arising directly or as a consequence of the publication of this data sheet. All information on this data sheet is based upon LG's practical experience. The result is believed to be accurate, but does not constitute a warranty or guarantee. Due to the wide variety of applications, the customers should independently verify the suitability of the material for the specific application.