



DATA SHEET

POLY-WRAP GRA VINYL

Introduction

Printable Car Wrapping film — is a bubble free polymeric self-adhesive, digital printable film designed to meet a variety of car body wrapping, bus body advertising graphic and subway body advertising needs and etc.

Advantages

- Special bubble free technology makes film easier for installation
- Stable size and high weather resistance
- Grey adhesive surface with high cover rate
- Meet REACH standard
- Suitable for solvent ink and Eco-solvent ink ,and UV ink print

Applications

- Car body wrapping
- Long-term and arc surface advertising
- Subway body advertising

Characteristics

Characteristic	Description
Colors	White
Film	Polymeric white PVC film
Gloss	Gloss
Thickness (Film)	60 um±10 um
Adhesive	Imported removable grey acrylic pressure sensitive adhesive
Adhesive color	Grey
Coating weight(Dry)	42g±2 g
Liner	single side PE-coated Korean original white bubble free wood-pulp paper
Weight, liner	145 g±5 g
Application surfaces	Flat and simple curves
Application substrates	Metal, paint, rigid plastic
width	1.37/1.52

To enhance colour and protect images against UV radiation and abrasion, it is recommended to be over-laminated with Cold over-laminating Film or Clear Coat.

When to Use an Over laminate or Clear Coat?

Commercial vehicle and fleet graphics; such graphics are subjected to abrasion such as road debris and automatic/power washing. Any graphic exposed to abrasive washing conditions, including automatic/power washing, harsh cleaners or chemicals.

Application

- Do not stretch the film during application. If you stretch the film it will tent or lift.
- Obtain pre-qualification from DPI Technical Service before applying to any un-qualified surface.
- When applying graphics to flat surfaces, the temperature range for both the air and substrate is 3°C to 38°C. The film sticks well at the lower end of this temperature range. However, keep the consideration in mind:
 - The film becomes less flexible the colder it is.
 - At temperatures lower than 3° C moisture may condense on the substrate, which prevents good adhesion.

Printing construction conditions:

1. Printing environment: products are recommended to be used in the environment of 25±5°C temperature, relative humidity of 50±10%, clean and dust-free, no suspended matter; It is suggested that the product should be transferred from the storage environment to the printing environment 24h in advance; Ink due to different matching equipment, so please test before use; It is recommended to leave enough white margin space when printing.

2. Construction requirements: the best construction temperature is 20±10°C, relative humidity is 50±10%; Stick to the flat, smooth, clean, surface without dust, skin without falling off the surface of the object, the necessary maintenance time needs more than 2 hours.

Shelf Life, Shipping, and Storage

- All products should be stored in original packaging with original protective materials. It is recommended to keep them sealed and placed horizontally. Stacking height should not exceed 6 layers, avoiding direct sunlight and heat source After contact. Storage temperature 25±5°C, relative humidity 50±15%. In this case, the shelf life of the product is 12 months.
- Ship the finished graphic lying flat or in a roll. To roll the graphic, roll it film side out onto a core that is 3 inches or larger in diameter. These methods help prevent the film and application tape from wrinkling or popping off the liner.

Product Characteristics

Physical Properties

Features	Test Method	Results
Caliper, face film	GB/T6672-2001	60micron (μm)
liner	GB/T6672-2001	145g/m
Dimensional stability	FINAT-4	Max. 0.5mm
Elongation		≥160%
Gloss	GB8807, 60°	≥65°
Adhesion, initial(175*25mm)	FINAT FTM-1, stainless steel	≥8N
Adhesion, Ultimate(175*25mm)	FINAT FTM-1, stainless steel	≧ 10N
Release	FINAT-4	15-25g/inch

*The above data parameters are subject to change without notice

Thermal

Construction temperature:

20° ± 10°C

Temperature range:

-20°+60° C

Chemical

Resistant to most petroleum based oils, greases and aliphatic solvents

Resistant to most mild acids, alkalies, and salts