DATA SHEET

100 Micron Self-Adhesive Vinyl

SBV002G - SBV006 - SBV008 - 3 year

Advantages

- Low residue in short term
- Good extension and size stability
- Vivid Color performance
- Suitable for solvent ink and Eco-solvent ink ,and UV ink print

Applications

- Interior and exterior advertising
- Sign board advertising
- print & Cut decal applications

Characteristics

Characteristic	Description
Colors	White
Film	PVC Film
Finish	Gloss
Thickness (Film)	100 um±10 um
Adhesive	Permanent adhesive White Back, Grey Back, Black Back
Adhesive color	Clear and Grey back
Coating weight(Dry)	30 g±2 g
Liner	single side PE-coated white wood-pulp paper
Weight, liner	140 g±5 g
Application surfaces	Flat and simple curves
Application substrates	Metal, paint, rigid plastic
Application temperature range (air and substrate)	3° C～+ 38° C
Removability	N/A

Conversion

- ✓ Cold over laminating
- ✓ Mild / Eco solvent inkjet
- ✓ UV curable inkjet
- ✓ Latex inkjet
- ✓ Friction fed cutters
- ✓ Solvent inkje

Conversion not commended

- ☒ Thermal transfer
- ☒ Flat bed cutters
- ☒ Screen printing
- ☒ Water based inkjet
- ☒ Electrostatic printing
- ☒ Die cutting
- ☒ Offset Printing

- *Applicationmethods*
- *Orientation and exposure conditions*
- *Clearing methods*

Printing with Solvent-Based Inkjet Inks

Always test with your combination of printer and ink prior to commercial use.

Total Ink Coverage

Do not exceed 250% total ink coverage for film SBV002G . Too high a total physicalink amount on the film results in media characteristic changes, inadequate drying, over laminate lifting, and/or poor graphic performance

To enhance colour and protect images against UV radiation and abrasion, SBV002G 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.
- 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.

Maintenance and Cleaning

Use a cleaner such as the kind used for high-quality painted surfaces. The cleaner must be wet, non-abrasive, without strong solvents, and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline.)

Shelf Life, Shipping, and Storage

- For unprocessed film, shelf life is 12 months. Store the film in a dry area, in the original container, out of direct sunlight and at less than 24°C
- The printed film has one month shelf life.

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	100 micron (μm)
liner	GB/T6672-2001	140 g/m
Dimensional stability	FINAT-4	Max. 0.8 mm
Tensile strength		≥33 N/inch
Elongation		≥150%
Gloss	GB8807-88, 60°	> 65
Adhesion, initial	FINAT FTM-1, glass	300 N/M
Adhesion, initial	FINAT FTM-1, glass	360 N/M
Tearing		>10000 Min
Release(Perforation)	FINAT-4	15-40 g/inch
Flammability		Self extinguishing
Shelf life	Stored at 24° C/50-60 % RH	12 Months
Outdoor durability	Vertical exposure	3 years

Thermal

Application temperature: +3° 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

Warranty

The materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorized to give guarantee, warranty, or make any representation contrary to the foregoing.

Durability

The durability is based on Eastern China exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north; in areas of long high temperature exposure, in industrially polluted areas or high altitudes, exterior performance will be decreased.

Test Methods :

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70° C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35° C. After exposure, the film is removed and the panel is examined for traces of corrosion.