



# Technical datasheet

## Printable self adhesive vinyl: HK102

### 1. Product description:

HK102 is a self adhesive digital print film, comprised of a glossy white calendered monomeric vinyl with clear permanent adhesive in single silicon PE paper liner.

#### ● Advantage

- ✓ Economical type, money saving
- ✓ Permanent clear adhesive
- ✓ Short term outdoor using. 1.5years
- ✓ Soft film, good uneven holding ability

#### ● Specification:

| Vinyl thickness | Liner             | Width                      | Length | INK                     |
|-----------------|-------------------|----------------------------|--------|-------------------------|
| 80 micron       | 120g/m2 Art paper | 0.914/1.06/1.27/1.37/1.52m | 50m    | Solvent, ECO, UV, Latex |

### 2. Use area

HK102 is intended for making graphics in the following area

- ✓ Body of car, bus, truck, subway sign graphics
- ✓ Flat wall body
- ✓ Other flat substrates such as foam board, banner sheet

### 3. Limitation

NOT recommended for the following applications:

- ✓ High substrates light block area
- ✓ Dirty, solvent cleaned, grease, silicon coating which affect the adhesion of the glue.
- ✓ Lacquered or painted surfaces freshly. The dried lacquered must be tested by user for compatibility

### 4. Temperature ranges

Minimum operating temperature: >9°C

Service temperature range: - 15°C to~ 70°C

## 5. Shelf life:

1 year in material's original packaging, storage temperature of 15-22 deg C, relative humidity of 50~55%

## 6. Durability:

1.5 year in outdoor solution. But it also depends on printing method and ink. Correct substrate preparation and maintenance of vinyl will enhance durability.

## 7. Technical data

|          |                                 |                                                              |
|----------|---------------------------------|--------------------------------------------------------------|
| Film     | Composition                     | Glossy calendered monomeric vinyl                            |
|          | Thickness                       | 80±5 um GB/T6672-2001                                        |
|          | Dimensional Stability           | Max 0.5mm (48 hours at 70°C, Aluminium plate, MD) FTM14      |
|          | Seawater resistance             | 100h/23°C no variation (adhered to aluminium plate) DIN50021 |
| Adhesive | Adhesive Type                   | Clear solvent, pressure sensitive                            |
|          | Removable ability               | Permanent                                                    |
|          | Net weight                      | 20±1 g/m <sup>2</sup>                                        |
|          | Initial Adhesion(2hrs)          | 1.0±0.1kgf/inch FTM9                                         |
|          | 180°Peel strength(steel, 24hrs) | 2.0±0.2kgf/inch FTM1                                         |
| Liner    | Type                            | Single PE coating silicon art paper                          |
|          | Weight                          | 120±5 g/m <sup>2</sup>                                       |
|          | Release force                   | 40g                                                          |

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