Technical Data Sheet

One Way Vision for use on transparent substrates - 140mic

Features:

- With one side visual communication, another black side provides sun-shade and enhances privacy and security
- Excellent printability, conversion and application characteristics
- Good dimensional stability during use
- Easy application to glass substrates
- 1.60mm hole size for superior one way vision, 40% light transmittance
- Economical item for short term application

Description

Film:	140 micron perforated calendered film with black backside
Adhesive:	Permanent clear solvent acrylic adhesive
Backing:	One side PE and silicon coated wood pulp paper, 140gsm
Width:	1.37
Length:	50m
Shelf Life:	Up to 1 year at 20°C and relative humidity of 50%
Durability:	Up to 1 year

Suit for:

- ☑ Solvent inkjet
- ☑ Eco solvent inkjet
- ☑ Latex
- ☐ Cold over laminating
- ☑ UV curable
- ☐ Water based inkjet
- ☑ Screen printing
- ☐ Die Sublimation

Common Applications

- Window graphics
- Glass curtain wall advertising
- Vehicle graphics
- Building glass panels
- Glass doors

Physical Characters

Properties	*units*	*Test method*	*Average value*
Thickness – film	μm	GB/T6672-2001	**140±10**
Weight - finished product	μm	GB4669-1995	**270±20**
Gloss Rate 60°		GB8807-88	**5min**
Initial Adhesion	N/inch	FINAT9	**5min**
Dimensional stability MD	%	FINAT14	**0.6max**
Dimensional stability CD	%	FINAT14	**0.4max**
Elongation at break MD	%	GB/T1040.1-2006	**40min**
Elongation at break CD	%	GB/T1040.1-2006	**30min**
Tensile Strength at break MD	N/25 mm	GB/T1040.1-2006	**20min**
Tensile Strength at Break CD	N/25 mm	GB/T1040.1-2006	**15min**
Minimum application temperature	°C		**+ 10**
Temperature range	°C		**-20 ~ +70**

- ✓ Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are average, minimum or maximum values. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of any material for their specific use.
- ✓ All technical data is subject to change without prior notice.
- ✓ In order to avoid loss of quality, the Evolution product should be stored in suitable conditions, at temperature around 20°C and relative humidity of 50%. Under this condition, Evolution product could be stored for period of 1 year. When printing on Evolution media, the temperature setting is very important, and we suggest an optimum printing condition of 25°C, 50%.

Test Method:

- ✓ **Dimensional stability:**

  Is measured on a 150 x 150 mm aluminum 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.

- ✓ **Gloss Rate:**

  By gloss match machine. Gloss surface tested by 60° and matt surface tested by 85°.