

## IKONOS PROFIFLEX PRO MRG PP100+ - PVC-FREE POLYPROPYLEN FILM

### PRODUCT DESCRIPTION:

Ikonos Profiflex Pro MRG PP100+ is a 100 mic, white, matt, biaxially oriented polypropylene film (BOPP) with removable, grey adhesive. Material guarantees high saturation of colors and unique printing quality. The grey adhesive allows for direct application on previously printed surfaces. Ikonos Profiflex Pro MRG PP100+ HT is a green alternative for self-adhesive PVC films.

Reduce your carbon footprint by using MRG PP100+. Material does not contain poly(vinyl chloride) – PVC. By using PVC-Free materials you take care of our planet. Production of MRG PP100+ does not cause VOC (volatile organic compounds) emission.

### PRODUCT STRUCTURE:

**Film:** 100 mic, white, matt, biaxially oriented polypropylene film (BOPP)

**Adhesive:** removable, grey water-based dispersion of polyacrylate

**Liner:** 135 gsm, CCK type backingpaper

### COMPATIBLE INKS:

Eco-solvent, latex, UV

### RANGE OF APPLICATION:

Ikonos Profiflex Pro MRG PP100+ was intentionally designed for all outdoor & indoor applications.

**Printing side: Outside**

### PHYSICAL FEATURES:

	STANDARD NO.	VALUE
<b>Thickness<sup>2</sup></b>		
Thickness of BOPP <sup>2</sup>	ISO 2286-3	100 µm(±5%)
Total thickness <sup>2</sup>	ISO 2286-3	240 µm (±5%)
Liner weight <sup>3</sup>		135 g/m <sup>2</sup>
<b>Total weight<sup>3</sup></b>		250 g/m <sup>2</sup>
<b>Adhesive Power<sup>5</sup></b>		
Initial	FINAT 9	3,7 N/25 mm
After 20 min	FINAT 1	3,3 N/25 mm
After 24 h	FINAT 1	8,0 N/25 mm
<b>Temperature range</b>		
While applying	-	from 10 °C to 35 °C
While exploiting	-	from 15 °C to 40 °C
<b>Durability*</b>	90° vertical exposure	indoor up to 2 years (unprinted)
	90° vertical exposure	outdoor up to 1 years (unprinted)
<b>Shelf Life</b>	2 years (in original packaging, at 20 °C and 50% relative humidity)	

<sup>1</sup> The customer is obliged to conduct his own tests before the final application, to verify the compatibility of this product with the desired result.

<sup>2</sup> Mitutoyo MDE-25PX

<sup>3</sup> KERN PNJ

<sup>4</sup> Micro-tri-gloss, BYK Altana, Measurement at 60°

<sup>5</sup> Shimadzu Autograph AGS-x

## DURABILITY

The data concerns vertical surface exposure of an unprinted/unprocessed film. The outdoor durability relates to the temperate climate of Middle Europe. If the film is exposed to extreme weather conditions, such as austere insolation, high UV radiation or humidity it may undergo accelerated deterioration. PVC film may also weaken in greatly contaminated areas and regions of high altitude.

## HANDLING & PROCESSING

Recommended storage conditions: 50% of relative humidity, 20 °C, in original packaging.

Customer should always store rolls together with label which consist information about type of product, dimensions of roll and batch number.

Any claims or requests will not be accepted without information about batch number.

During storage time shrinking of the edges of monomeric PVC film could be noticed.

To obtain good print quality/good processing results we recommend acclimatize rolls in printing/processing room min. 24 hour before printing/processing. Large fluctuations in temperature and humidity between the room and the material have an impact on flatness and printability of material.

If printed, the ink must be perfectly dry before further processing e.g laminating or application. Features of products could be changed by the residuals solvents. The surface on which product is applied must be free of dust, grease, lubricant and any other substances which may hinder the film from adhesion.

Due to wide range of possible uses and applications customers should independently verify the appropriateness of material for their explicit purpose, prior to use. The customer is obliged to conduct his own tests before the final application, to verify the compatibility of this product with the desired result.

## IMPORTANT NOTICE

The information included in the present publication is based upon our knowledge as well as practical experience and can be changed without prior notice. All information always represents an average, a minimum or maximum value and should be considered as such.

This data is displayed only in order to serve as a source of information and is given without guarantee and does not constitute a warranty.

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