

## IKONOS PROFIFLEX PRO MRT PP100 AIR+ PVC-FREE POLYPROPYLEN FILM

### PRODUCT DESCRIPTION:

Ikonos Profiflex Pro MRT PP100 AIR+ is a 100 mic, white, matt, biaxially oriented polypropylene film (BOPP) with removable, transparent, structured adhesive. Material guarantees high saturation of colors and unique printing quality. Special, structured adhesive allows to remove air bubbles during application. MRT PP100 AIR+ is a green alternative for self-adhesive PVC films. Reduce your carbon footprint by using MRT PP100 AIR+  
Material does not contain poly(vinyl chloride) – PVC. Buying PVC-Free materials you take care of our planet.  
Production of MRT PP100 AIR+ does not cause VOC (volatile organic compounds) emission..

### PRODUCT STRUCTURE:

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

Adhesive: removable, transparent dispersion of polyacrylate

Liner: two-sided PE coated, one side siliconized, 140 gsm, structured, PCK type backingpaper

### COMPATIBLE INKS:

Eco-solvent, latex, UV

### RANGE OF APPLICATION:

Ikonos Profiflex Pro MRT PP100 AIR+ was intentionally designed for all indoor applications.

### PHYSICAL FEATURES:

	STANDARD NO.	VALUE
<b>Thickness</b>		
Thickness of BOPP	ISO 2286-3	100 mic ( $\pm 7\%$ )
Total thickness	ISO 2286-3	280 mic ( $\pm 5\%$ )
<b>Tensile strength</b>	ASTM D 882	>75 N/mm <sup>2</sup> [MD] >165 N/mm <sup>2</sup> [CD]
<b>Opacity</b>	ISO 2471	88%
<b>Thermal shrinkage</b>	ASTM D2732 135 °C/7 min	<2.5% [MD] <1.5% [CD]
<b>Adhesive Power</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 4 years (unprinted)
	90° vertical exposure	outdoor up to 2 years (unprinted)
<b>Shelf Life</b>	2 years (in original packaging, at 20 °C and 50% relative humidity)	

## 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. We strongly recommend customers conduct own tests before each application.

## 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.

All presented information refers to unprinted/unprocessed Ikonos products. Features of products could change after printing/processing due to this reason all printed/processed Ikonos products are not covered by warranty.

Our limited liability relates only to the cost of the defective material which was bought by customer.

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