

## IKONOS PROFIFLEX PRO MRT PP140+ TITAN

### PRODUCT DESCRIPTION:

Ikonos Profiflex Pro MRT PP140+ TITAN is a white, matt BOPP (Biaxially Oriented Polypropylene) film with removable, transparent, high tack adhesive. High coating weight of adhesive and addition of 10% of special tackifier increase initial tack and adhesive power. MRT PP140+ TITAN was intentionally designed for printing with eco-solvent, latex and UV printers in high speed and top quality. Material does not contain PVC.

**COMPATIBLE INKS:** eco-solvent, LATEX, UV

**SURFACE:** matt

### PRODUCT STRUCTURE:

Film: white, matt, BOPP film, 140  $\mu$

Adhesive: removable, transparent dispersion of polyacrylate with tackifier

Liner: one-side siliconized 120 g/m<sup>2</sup>, "claycoated" type backing paper

### RANGE OF APPLICATION:

Ikonos Profiflex Pro MRT PP140+ TITAN was designed for indoor applications. Thanks to special high tack adhesive and "PVC free" construction material is a perfect solution for environmental friendly graphics, posters and interior decoration purposes.

### PHYSICAL PROPERTIES:

	STANDARD NO.	VALUE
<b>Thickness of BOPP</b>	ISO 534	140 $\mu$ ( $\pm 5\%$ )
Total weight	ISO 534	255 g/m <sup>2</sup> ( $\pm 5\%$ )
Opacity	ISO 2471	92% ( $\pm 5\%$ )
<b>Thermal shrinkage</b>	ASTM D 2732 (1350C/7 min)	<2.5% (MD) <1.5% (TD)
<b>Tensile strength</b>	ASTM D 882	>75 N/mm <sup>2</sup> (MD) >165 N/mm <sup>2</sup> (TD)
<b>Adhesive Power</b>		
Initial	FINAT 9	11.5 N/25 mm
After 20 min	FINAT 1	7.9 N/25 mm
After 24 h	FINAT 1	11.3 N/25 mm
<b>Temperature range</b>		
While applying	-	from 10°C do 40°C
While exploiting	-	to 5°C do 40°C
<b>Durability</b>	indoor	3 years (unprinted)
<b>Shelf Life</b>	1 year (in original packaging, at 20 °C and 50% relative)	

## 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 oC, 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.

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