

## IKONOS PROFIFLEX PRO GPT FX100+ TITAN

### PRODUCT DESCRIPTION:

Ikonos Profiflex Pro GPT FX100+ TITAN is a white, glossy, monomeric PVC film with transparent, permanent, high bond adhesive. High coating weight of adhesive (+25%) and addition of 10% of special tackifier increase initial tack and adhesive power. GPT FX100+ TITAN was intentionally designed for printing with solvent, eco-solvent, latex and UV printers in high speed and top quality.

### PRODUCT STRUCTURE:

Film: monomeric, calandered, white, glossy PVC film

Adhesive: permanent, transparent dispersion of polyacrylate with tackifier

Liner: one-side siliconized 121 gsm / 136 gsm, "claycoated" type backing paper

### RANGE OF APPLICATION:

Thanks to special adhesive Ikonos Profiflex Pro GPT FX100+ TITAN can be applied on a rough or non-polar surfaces like polypropylenes or polyethylenes\*. This product was developed for indoor and short-term outdoor applications.

### PHYSICAL FEATURES:

	STANDARD NO.	VALUE
<b>Thickness</b>		
Thickness of PVC	ISO 2286-3	100 mic (±5%)
Total thickness (film+adhesive+liner)	ISO 2286-3	235 mic (±5%)
<b>Tensile stress at break</b>		
	ISO 527-3/2/200	32 MPa [MD] 28 MPa [CD]
<b>Tensile strain at break</b>		
	ISO 527-3/2/200	180 % [MD] 200% [CD]
<b>Adhesive Power</b>		
Initial	FINAT 9	10.0 N/25 mm
After 20 min	FINAT 1	17.5 N/25 mm
After 24 h	FINAT 1	24.0 N/25 mm
<b>Temperature range</b>		
While applying	-	from 10°C to 35°C
While exploiting	-	from -15°C to 40°C
<b>Flammability</b>	Adhered to aluminium, glass or steel – self-extinguishing*	
<b>Durability</b>		
	90° vertical exposure	indoor 5 years (unprinted)
	90° vertical exposure	outdoor 2 years (unprinted)
<b>Shelf Life</b>	2 years (in original packaging, at 20 °C and 50% relative humidity)	

\* Producer's internal test method

## 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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