

**IKONOS LAM-PRO PROFIFLEX PVC-FREE | GLOSS GPT PP-L60+  
UV-PROTECTION | OUTDOOR/INDOOR**



**PRODUCT DESCRIPTION:**

Series of Ikonos LAM-PRO PROFIFLEX PVC-FREE GLOSS GPT PP-L60+ UV-Protection is a 60 mic, polypropylene (PP), transparent, glossy film coated with transparent, permanent, acrylic adhesive. Material intensifying the colour range of an image and significantly extending its durability. Biaxially Oriented Polypropylene Film Base with Enhanced UV Stability, for Graphic Art Applications indoor and outdoor.

Reduce your carbon footprint by using GPT PP-L60+ UV. Protect Your reproductions with PVC-free laminate. By using Ikonos Solutions you take care of our planet. Our production process does not cause VOC (volatile organic compounds) emission.

**PRODUCT STRUCTURE:**

Film: 60 mic, transparent, glossy, OPP film

Adhesive: transparent, permanent, water-based dispersion of polyacrylate

Liner: one-side siliconized, 135 gsm , "claycoated" type backing paper

**RANGE OF APPLICATION:**

Ikonos LAM-PRO PROFIFLEX PVC-FREE GLOSS GPT PP-L60+ UV-Protection protects pictures and images from mechanical damage, moisture and fading due to natural light exposition. The product is perfect for any kind of indoor applications as well as for long-term outdoor usage.

**PHYSICAL FEATURES:**

	STANDARD NO.	VALUE
<b>Thickness<sup>2</sup></b>		
Thickness of PP	ISO 4593	60 µm (±5%)
Total thickness (film+glue+liner)	ISO 2286-3	193 µm / (±5%)
Total weight		207 g/m <sup>2</sup> (±5%)
Surface gloss	DIN 67 530	89 G.U. (at 60°)
<b>Tensile strength</b>	ASTM D 882	>130 N/mm <sup>2</sup> [MD] >170 N/mm <sup>2</sup> [CD]
<b>Elongation at break</b>	ASTM D 882	>150% [MD] >180% [CD]
<b>Adhesive Power</b>		
Initial	FINAT 9	3.9 N/25 mm
After 20 min	FINAT 1	5.9 N/25 mm
After 24 h	FINAT 1	10 N/25 mm
<b>Temperature range</b>		
While applying	-	from 10°C to 25°C
While exploiting	-	from -10°C to 40°C
<b>Durability</b>	90° vertical exposure	indoor 4 years <sup>5</sup>
	90° vertical exposure	outdoor 3 years <sup>5</sup>
<b>UV resistance</b>	ASTM G154 <sup>6</sup>	>3000hrs <sup>6</sup>
	ASTM G154 <sup>6</sup>	>3000hrs <sup>7</sup>
<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> Shimadzu Autograph AGS-x

<sup>4</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>5</sup> Unprinted and unconverted

<sup>6</sup> Continuous Dry Exposure: 0.84W/m<sup>2</sup> @ 340nm, 50°C/122°F, 50%RH

<sup>7</sup> Dry: Wet Cycle Exposure: 4hrs @ 0.84W/m<sup>2</sup> @ 340nm, 50°C/122°F 50%RH, 4hrs @ 50°C/122°F, 50%RH

## 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. 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 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.

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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