

IKONOS PROFICAST LAM-PRO GPT LC40+

AVAILABLE STANDARD WIDTHS AND LENGTHS

1.37, 1.52 x 50 m.

PRODUCT DESCRIPTION

Glossy, polymeric cast PVC film with a pressure-sensitive, permanent, acrylic adhesive. The product was designed for protecting digital prints.

PRODUCT STRUCTURE

Film: 40 µ, polymeric cast, glossy PVC film with an excellent resistance against UV light, chemical products, humidity, dirt and fingerprints.

Adhesive: permanent, solvent-based, acrylic adhesive which does not have an aggressive reaction on the printout.

Liner: one-side siliconized 120g/m², "claycoated" type backing paper

RANGE OF APPLICATION

Thanks to its excellent UV-filters Ikonos Proficast Lam-Pro GPT LC40+ is perfect for long-term outdoor use under the most extreme conditions. It may significantly increase a lifetime of the printout. Preceding compatibility tests are advisable.

PHYSICAL FEATURES

(at a relative humidity of 50 ± 5 % and a temperature of 23 ± 2°C)

		STANDARD NO.	VALUE
Thickness	Thickness of PVC	DIN 53370	40 µ
	Total thickness	DIN 53370	190 µ
Elongation at break	Along	DIN 53455	> 190%
	Across	DIN 53455	> 190%
Gloss level (20°)		DIN 67530	45 GU
Dimensional stability		FINAT 14	< 0,25 mm
Adhesive Power	Initial	FINAT 9	12 N
	After 20 minutes	FINAT 1	13 N/25 mm
	After 24 h	FINAT 1	16 N/25 mm
Temperature range	While applying		+5 °C to +40 °C
	While exploiting		-20 °C to +70 °C
Flammability		If applied on aluminium, glass, steel, self-extinguishing	
Outdoor durability		5-6 years	

Storage instructions:

All Ikonos materials always need to be stored in their original packing and with the original protection flanges. Especially for cast films it is important that they are stored vertically. These films are softer than calendared films and consequently more sensitive to pressure marks when they are stored horizontally, resting on their own weight. In order to avoid any loss of quality, the Ikonos Solvent Vinyl should also be stored in suitable conditions, that is at a temperature between 10 and 20°C, and a relative humidity of 50 %. Under these conditions, the Ikonos materials can be stored for a period of two years.

Remarks:

- The Ikonos cast vinyls are manufactured by a patented production method.
- Large amounts of solvent ink on the material can activate the ink on the backside of the material. If the material is enrolled too quickly after printing, the print on the backside of the material may become visible in your printout. Therefore we advise you to limit the amount of ink and to leave the prints to dry sufficiently before enrolling them.
- In order to remove the film again, it should be heated thoroughly in order to prevent adhesive transfer.
- As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job.

Recommended temperature settings:

When printing on the Ikonos solvent and low-volatile solvent media, the temperature settings of the printer are extremely important. Depending on the ambient conditions, the amount of ink and the requested print quality, we advise a pre-heater temperature between 35°C and 45°C. This temperature can be raised, on condition that the Ikonos material stays completely flat. A too high temperature can lead to an inferior print quality and to colour differences, because the material will become soft, as a result of which it might get damaged by the transport wheels of the printer, and because the material will undulate, as a result of which it could touch the print head. The same goes for the use of an after-heater (dryer). We advise an after-heater temperature that is about 5°C to 10°C higher than the pre-heater temperature. But again, the material should not undulate as a result of a too high temperature setting. In general, we can say the temperature of both heaters should be set as high as possible, without the material showing any form of undulation.

Important:

The information, mentioned in this product data sheet, is based upon tests that were executed by Ikonos, and that we consider to be reliable. The information always represents an average, a minimum or a maximum value, and should be considered as such. It is only given for your information, and does not give any guarantee. It is up to the end user to decide whether or not the product is suited for his particular application.

As the quality of your print does not only depend on the Ikonos medium, but also on so many other factors (such as the printer, the quality of the inks, the print software, the ICC profile, the ambient temperature, the air humidity, etc...), Ikonos can not guarantee or be held responsible for the eventual print result. The materials mentioned in our compatibility list have been tested under normal conditions and are purely indicative. Subject to modifications. For more detailed information we also refer to our general "Ikonos Proficast Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".

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.

Due to wide range of possible uses and applications (large variety of substrates/surfaces) customers should independently verify the appropriateness of material for their explicit purpose (also adhesion to the selected substrate), prior to use. We strongly recommend customers conduct own tests before each application.

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.

Agents, representatives and salesmen are not entitled to give any guarantee, warranty or representation other to the foregoing.

Ikonos shall not be held responsible for any damage to substrates, surfaces or machines resulting from the use or removal of Ikonos product, nor shall Ikonos be held responsible for any consequential damage.

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