

IKONOS PROFIFLEX LAM-PRO GPT L80+ (GLOSSY) / MPT L80+ (MATT)

PRODUCT DESCRIPTION:

Ikonos Profiflex Lam-Pro Series includes monomeric, transparent, glossy (GPT L80+) or matt (MPT L80+) overlamination PVC films with UV adsorber. Materials intensifying the colour range of an image and significantly extending its durability. Profiflex Lam-Pro GPT L80+/MPT L80+ reduce colour fading and effectively retards printout deterioration caused by weather conditions.

PRODUCT STRUCTURE:

Film: 70 mic, transparent, glossy or matt, monomeric PVC

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

Liner: one-side siliconized, clay coated paper, 121 gsm

RANGE OF APPLICATION: Ikonos Profiflex Lam-Pro GPT L80+ and MPT L80+ protect pictures and images from mechanical damage, moisture and UV radiation. They are perfect solution for any kind of indoor applications as well as for short- and midterm outdoor usage.

PHYSICAL FEATURES:

	STANDARD NO.	VALUE
Thickness		
Thickness of PVC	ISO 2286-3	70 mic (±5%)
Total thickness (film+glue+liner)	ISO 2286-3	198 mic (±10%)
Tensile stress at break		
Along	ISO 527-3/2/200	20 MPa
Initial	ISO 527-3/2/200	15 MPa
Tensile strain at break		
Along	ISO 527-3/2/200	160%
Initial	ISO 527-3/2/200	160%
Adhesive Power		
Initial	FINAT 9	8.8 N/25 mm
After 20 min	FINAT 1	13.3 N/25 mm
After 24 h	FINAT 1	19.8 N/25 mm
Temperature range		
While applying	-	from 10°C to 33°C
While exploiting	-	from 10°C to 30°C
Flammability	Adhered to aluminium, glass or steel – self-extinguishing*	
Durability	90° vertical exposure	indoor 5 years (unprinted)
	90° vertical exposure	outdoor 2 years (unprinted)
Shelf Life	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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