

IKONOS POLYPROPYLEN FILM GRG PP100+ AIR EPH PVC-FREE ECO-SOL/LATEX/UV

Ikonos Polypropylene Film GRG PP100+ AIR EPH PVC-free Eco-sol/LATEX/UV is a 100 µm, white, gloss, biaxially oriented polypropylene film (BOPP) with removable, grey, structured adhesive. Material guarantees high saturation of colors and unique printing quality. Special, structured adhesive allows to easily remove air bubbles during application. **It is a green alternative for self-adhesive PVC films.**

Reduce your carbon footprint by using GRG PP100+ AIR EPH. Material does not contain poly(vinyl chloride) – PVC. By using PVC-Free materials you take care of our planet.

PRODUCT STRUCTURE:

Film: 100 mic, white, gloss, biaxially oriented polypropylene film (BOPP)

Adhesive: removable, grey water-based dispersion of polyacrylate

Liner: two-side PE coated, one side siliconized, 140 gsm, PCK type backingpaper

COMPATIBLE INKS:

Eco-solvent, latex, UV

RANGE OF APPLICATION:

Ikonos Polypropylene Film GRG PP100+ AIR EPH was intentionally designed for all outdoor & indoor applications.

Printing side: Outside

PHYSICAL FEATURES:

	STANDARD NO.	VALUE
Thickness²		
Thickness of BOPP	ISO 2286-3	100 µm(±5%)
Total thickness	ISO 2286-3	285 µm (±5%)
Total Weight³		255 g/m ² (±5%)
Opacity⁴		98%
Gloss⁴	DIN 67 530	57,5° (60° GU) (±5%)
Adhesive Power		
Initial	FINAT 9	5.0 N/25 mm
After 20 min	FINAT 1	3.0 N/25 mm
After 24 h	FINAT 1	7.0 N/25 mm
Temperature range	-	from 10 °C to 35 °C
While applying	-	from 15 °C to 40 °C
While exploiting		
Durability*	90° vertical exposure	indoor up to 2 years (unprinted)
	90° vertical exposure	outdoor up to 1 years (unprinted)
Shelf Life	2 years (in original packaging, at 20 °C and 50% relative humidity)	

¹ The customer is obliged to conduct his own tests before the final application, to verify the compatibility of this product with the desired result.

² Mitutoyo MDE-25PX

³ KERN PNJ

⁴ Micro-tri-gloss, BYK Altana, Measurement at 60°

⁵ Shimadzu Autograph AGS-x

GENERAL CHARACTERISTICS OF THE PRODUCT

All IKONOS products are subject to quality control throughout the entire manufacturing process, are covered with a commercial quality warranty and are free of any manufacturing defects. Any published information on IKONOS products is based on research which the manufacturer deems reliable, even though this information is not considered a warranty. The Manufacturer/Supplier confirms the specific scope of use of the product, provided the Buyer strictly complies with all recommendations.

The Manufacturer/Supplier shall not guarantee the full scope of use of the product if:

- the Buyer fails to comply with the recommendations of the Manufacturer/Supplier or its instructions;
- the material is subject to mechanical damage or it loses its physical and chemical characteristics or its resistance, e.g. water resistance, UV resistance, etc. due to incorrect application of the material;
- the material is processed, e.g. printed on, combined with another material, subject to physical and chemical treatment, etc.;
- the material has been affected by mechanical force or is used incorrectly;
- the material has been misused.

The Buyer shall use the material only in properly prepared and dedicated locations, the Buyer shall use all materials strictly according to their intended use. In case of some applications/locations, the material may be subject to increased wear and tear rate or may lose its physical and chemical properties.

PRODUCT LIFE

The Supplier guarantees product life provided all rules described above are adhered to and subject to the following conditions. The data included in the product data sheet applies to a vertical display of a non-printed/unprocessed product. Outdoor product life applies to moderate climate of Central Europe. The Manufacturer/Supplier recommends using solvent glue for outdoor applications. In the event the product is subject to extreme weather conditions, e.g. strong sunlight, high levels of humidity or intensive UV radiation, degradation at an increased rate may occur. In case of some applications/locations, the material may be subject to increased wear and tear rate or may lose its physical and chemical properties. The strength of a PVC film may also be reduced in areas characterised by high pollution levels and at high altitudes. The Buyer shall use the material only in properly prepared and dedicated locations/on properly prepared and dedicated surfaces. The Buyer shall use all materials only as intended.

USE, STORAGE AND PROCESSING OF THE PRODUCT

NOTE:

THE PRODUCT/MATERIAL is subject to the above-mentioned rules in terms of its original intended use. DO NOT use the material for any purposes other than those indicated by the Manufacturer/Supplier. The Customer shall be fully responsible for any misuse of the material and/or failing to comply with the recommendations of the Manufacturer/Supplier. Any explicit or implied assurances or declarations of the Manufacturer/Supplier shall not be legally binding if the Product/Material is misused.

APPROPRIATE TRANSPORT

The Supplier shall become familiar with the recommended transportation conditions (particularly in terms of temperature, humidity, arrangement of the product on the pallet and the number of packaging layers).

APPROPRIATE STORAGE

The Supplier hereby indicates that appropriate storage is vital for the life of the product. Recommended storage conditions: relative humidity of 50%, 20°C in the original packaging. The Customer shall store the rolls with the label containing the information on the product type, dimensions of the roll and the batch number. Any complaints shall be accepted only if the batch number is indicated. Edges of the PVC film may be subject to shrinkage during storage. For best printing quality/processing results, we recommend storing rolls for at least 24 hours, prior to printing/processing, in the room where the printing/processing is to be done. Large temperature and humidity difference between the room and the material may cause material rippling and may affect printing quality. Once the material has been printed on, the ink must become completely dry prior to any further processing of the material, e.g. laminating or application. Any solvent residues may cause a change in the characteristics of the product. The surface on which the product is to be applied must be free of dust, grease, lubricants and other substances, which may negatively affect the adhesion of the material. Due to the wide range of possible applications, the Customer shall, on each occasion, make sure the given material fully corresponds to their needs. We recommend conducting individual tests prior to each application. As IKONOS products are suitable for a wide range of applications and are constantly developed, the Buyer should always test the given product in terms of the intended application.

LOSS OF WARRANTY/PRODUCT CHARACTERISTICS

The Manufacturer/Supplier shall not guarantee the full scope of use of the product if:

- the Buyer fails to comply with the recommendations of the Manufacturer/Supplier or its instructions;
- the material is subject to mechanical damage or it loses its physical and chemical characteristics or its resistance, e.g. water resistance, UV resistance, etc. due to incorrect application of the material;
- the material is processed, e.g. printed on, combined with another material, subject to physical and chemical treatment, etc.;
- the material has been affected by mechanical force or is used incorrectly;
- the material is damaged due to unprofessional application;
- the material is misused.

SUMMARY

All IKONOS products are subject to quality control throughout the entire manufacturing process, are covered with a commercial quality warranty and are free of any manufacturing defects. Any published information on IKONOS products is based on research which the manufacturer deems reliable, even though this information is not considered a warranty. The Manufacturer/Supplier confirms the full scope of use of the product, provided the Buyer strictly observes all recommendations. As IKONOS products are suitable for a wide range of applications and are constantly developed, the Buyer should always test the given product in terms of the intended application.

The information contained herein is based on our knowledge and practical experience and may be amended without prior notice. Any information always represents the average, the minimum or the maximum value and should be treated as such. Any data presented herein is for information purposes only and shall not be the basis for any warranty.

Any possible limited liability of the Manufacturer/Supplier applies exclusively to the costs of defective material purchased by the customer. Agents, representatives or vendors shall not have the right to give any warranties, certifications, guarantees or to make representations other than those provided for herein.

The Manufacturer/Supplier shall not be responsible for any accidental and/or consequential damage including, but not limited to, lost profits or revenue, other lost gains, costs of labour, costs and fees related to reconstruction of a graphic, lost production time, costs of removal of defective graphics, etc. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. Provisions of this TDS are not a commercial offer as defined in the Civil Code.