PrintingFilms

Biond Bio-Print Film RSS Dot Matrix 90

Biond product that offers a biobased film, free from plasticizers, with a 90-micron thickness, a removable dot matrix adhesive for easy application and repositioning on smooth surfaces, and a double side PE liner of 135g/m2 that provides stability during printing. Recommended for a wide range of short term promotional indoor applications.

Face Film

Bio-based Film with 80% bio-components

Finish	White Matte		
	Value	Tolerance	Standard
Thickness (µm)	90	± 5%	Digidelta Test Method
Grammage (g/m2)	100	± 10%	Digidelta Test Method
Gloss (60°C) (%)	≤ 15	± 10 %	Digidelta Test Method
Bio-based content (%)	80		EN 16640:2017/ASTM D6866
Tensile strenght (MPa)	> 30		ASTM D412
Elongation (%)	> 250		ASTM D412
Modulus (MPa)	24		ASTM D412
Flammability (FR)	A2-S1, d0		ISO 13501-1/ISO 11925-2

Adhesive

Clear acrylic based removable adhesive, smooth surface and easy to apply

	Value	Standard
Peel Adhesion 20 min steel (N/25mm)	> 1	FINAT FTM1
Peel Adhesion 24 h steel (N/25mm)	> 2	FINAT FTM1
Shrinkage (mm)	Max. 0,1	FINAT FTM14
Application Temperature (°C)	> 10 °C	
Service Temperature (°C)	-10 a 90 °C	

Liner

PE double side coated

	Value	Tolerance	Standard
Thickness (µm)	148	± 5 µm	Digidelta Test Method
Grammage (g/m2)	135	± 5 %	Digidelta Test Method

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Durability

• Indoor: up to 6 months (unprocessed and without sun exposure).
• Storage: 24 months, applicable only to unprocessed material under the following STORAGE CONDITIONS:
• Store at a temperature of 20°C ± 5°C and 50 ± 5% relative humidity, avoiding major climatic variations.
• The storage area must be dry and clean.
• Keep the material in its original packaging when not in use to protect it from dust and contamination.
• Do not expose to direct sunlight or heat sources.
• The product should be stored vertically to ensure its quality is not compromised.

Printing Methods

• Specially developed for Solvent, Latex, UV and UV gel printing.
• To ensure the best possible print quality, please check that the correct printing profiles are being used.
• Excessive ink application on the product may cause changes in its characteristics, improper drying, delamination, and/or poor product performance.
Inadequate drying may result in curling, wrinkling, and adhesion failures, affecting the material's performance.
• A minimum drying time of 48 hours is recommended before any additional processing. Drying should be carried out with the product unrolled.

Applications

• Application surface: glass, flat and smooth surfaces.
• Substrate not recommended for areas with car traffic; flexible or low energy substrates; non-flat surfaces; painted or unpainted cardboard walls; plaster walls; wallpaper; unclean or rough surfaces; surfaces with degraded paint.
• Aplication with water is not recommended.
• Do not expose to combustible vapors or spills.
• Surfaces to which the material will be applied must be thoroughly cleaned and free of dust or any other contamination that could affect the material's adhesion.
• Non-vertical application implies a significant reduction in durability, as do climate and sun exposure angles.
•Before using the film, we recommend that it remains at the workplace temperature for at least 24 hours.
• Application to damp surfaces or wet application may result in adhesive residue being left on the surface after removal. As no two surfaces are the same, it is recommended that tests are carried out before use to check the removability.
• The product can be easily removed by peeling it off once it has reached the end of its useful life. Some adhesive residue may remain after the product has been exposed to UV rays and high temperatures. Removing it slowly, at a maximum speed of 5 cm/second, will reduce the amount of residue left behind. Removing the film from hot surfaces (e.g., shop windows, steel surfaces, etc.) is not recommended, as the adhesive may remain on the surface. In these cases, we recommend cooling the surface before removing the material.
• Laminating this product is not recommended.
• There may be other factors not described which could influence performance in use.

Important Remarks

• BIOND is not responsible for the ease or speed of removal of the applied material. Suitable air and substrate temperatures must be taken into account.
• The user must determine the compatibility of the material with the specific application before use.
• The data contained in this information is based on our knowledge and practical experience. It is intended as a source of information and does not constitute a guarantee. Subject to change without notice.
• When carrying out a job, we recommend using the same batch of product.
• BIOND accepts no liability for misuse or improper storage and can never be held responsible for loss or damage to third parties.

Datasheet Revision Date: 11/02/26
Signatures: SC