

## Biond Bio-Glass Etch Film P HT BF 90

Biond product that offers a plasticizer-free, biodegradable bio-based film, 90 mic thickness, a high performance permanent high tack adhesive and a bubble free liner, 135 g/m<sup>2</sup>. Recommended for applications on glass and glazed surfaces of short and medium duration, indoors and outdoors.

### Face Film

Bio-based Film with > 80% bio-components

Finish	Frosted		
	Value	Tolerance	Standard
Thickness (µm)	90	± 5%	Digidelta Test Method
Grammage (g/m <sup>2</sup> )	100	± 10%	Digidelta Test Method
Gloss (60°C) (%)	< 10	± 10 %	Digidelta Test Method
Bio-based content (%)	97		EN 16640:2017/ASTM D6866
Tensile strenght (MPa)	> 30		ASTM D412
Elongation (%)	> 250		ASTM D412
Modulus (MPa)	24		ASTM D412
Flammability (FR)	BsI, d0		ISO 13501-1/ISO 11925-2
Expected durability	Up to 5 years outdoor/ 10 years indoor		

### Adhesive

Clear acrylic based, permanent high tack bubble free

	Value	Standard
Peel Adhesion 20 min steel (N/25mm)	> 8	FINAT FTMI
Peel Adhesion 24 h steel (N/25mm)	> 10	FINAT FTMI
Shrinkage (mm)	Max. 0,1	FINAT FTMI4
Application Temperature (°C)	> 10 °C	
Service Temperature (°C)	-10 a 80	

### Liner

Clay coated double PE embossed paper

	Value	Tolerance	Standard
Thickness (µm)	148	± 10 µm	Digidelta Test Method
Grammage (g/m <sup>2</sup> )	135	± 10%	Digidelta Test Method

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### Durability

- INDOOR – up to 10 years (unprocessed and without sun exposure).
- OUTDOOR – up to 5 years (unprocessed and when applied under vertical exposure – normal Central European climate).
- STORED: 24 months, applicable only to material that has not been processed, under the following STORAGE CONDITIONS:
  - This material must be stored at a temperature of  $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$  and  $50 \pm 5\%$  relative humidity, without major climatic deviations.
  - 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 so that its quality is not compromised.

### Printing Methods

- Specially developed for Latex, UV and UV gel printing.
- To obtain the best possible print quality, please check that you are using the correct print profiles.
- Too much ink on the product will result in changes to its characteristics, inappropriate drying, lamination peeling and/or poor product performance.
- Inadequate drying can result in curling, wrinkling and adhesive failure, which translates into poor material performance. A minimum drying period of 48 hours is recommended before any further processing. Drying should be carried out with the product unrolled.

### Applications

- Application surface: flat.
- Not recommended for areas with car traffic; flexible or low-energy substrates; non-flat surfaces; painted or unpainted walls; plaster walls; wallpaper; uncleaned or rough surfaces; surfaces with degraded paint.
- 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.
- 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.
- The user must determine the compatibility of the material with the specific application intended before use.
- 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: 21/04/25  
Signatures: SC