



TECHNICAL DATA SHEET - PLOTTER VINYLs - CAST HEXGLOW01

High-performance film which is composed of a 100- μ m, photoluminescent, white-light green, cast PVC and coated with a pressure-sensitive, solvent-based, acrylic adhesive. Product intended for decorative or artistic application in accordance with the classification A of the DIN67510-1: 2020 standard. For indoor application. Glossy surface finish.

FILM FEATURES:

	<u>Indicative value</u>	
• Thickness (μ m):	100	
	<u>Average values</u>	<u>Standard</u>
• Tensile Strength (N/25 mm):	min. 35	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Luminance* (mcd/m ²):		DIN67510-1: 2009
After 5 min.	32	
After 60 min.	4	
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.5	HEXRET001

* illuminant: Xe lamp 1000 Lx / 5 min. of exposure.

LINER:

- Silicone-coated Kraft paper 137 g/m² with grey "THE CAST by HEXIS" print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

	<u>Average values</u>	<u>Standard</u>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM001
after 20 minutes of application	19	
after 24 hours of application	21	
• Initial tack (N/25 mm):	17	HEXFTM009
• Release (N/25 mm):	0.3	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, petrol, diluted acids, oils, fuels).		

ADHESIVE:

- Solvent-based, acrylic adhesive.
- Immediate and permanent adhesion, suitable for wet application to flat surfaces only.

USER'S INSTRUCTIONS:

- The film is intended for indoor application.
- The film can be cut into simple shapes using a plotter.
- It is possible to transfer the film with the HEX904, HEX909 or HEX860 tapes.
- Recommended minimum application temperature: +7 °C (+45 °F).
- Operating temperature range: between -40 °C and +90 °C (-40 °F and +194 °F).
- Recharge the photoluminescent properties of the film under natural or artificial lighting.
- In the case of an already painted substrate, self-adhesive media must only be applied to undamaged original paintwork. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.

OPERATING RECOMMENDATIONS:

- The colour of the films is controlled by HEXIS in order to ensure faithful reproduction of their colour tints. Nevertheless, in the case that your project requires the use of several rolls of the same colour reference, HEXIS recommend using only a single batch number of each reference.

STORAGE:

- Shelf life (before application):

The shelf life of this film is 2 years when stored in its unopened original packaging at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

DURABILITY:

- Vertical indoor exposure: up to 3 years.

CERTIFICATIONS:

Standard	Report	Equivalent ranking
DIN 67510-1	28419407_002	A

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as the basis for the development of our own measuring methods, which are available on request. Please feel free to contact us to get the latest instructions in use. All the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website www.hexis-graphics.com.