

PRODUCT DATA SHEET

GRAFIPRINT LAMINATES

REFERENCE GL

RELEASE 01.12.2020

GRAFITYP
makes you stick

DESCRIPTION

Grafiprint GL is a glossy polymeric cast special effect PVC film with phosphorous elements, which make the white surfaces of a sign or print glow up in the dark after the image has been exposed to light for a certain period of time. The film comes with permanent adhesive.

COMPOSITION

FILM

70µm polymeric cast glossy phosphorous film.

ADHESIVE

Transparent permanent pressure-sensitive solvent-based acrylic adhesive.

RELEASE LINER

Siliconised clay-coated paper of 120 g/m²

APPLICATION

Grafiprint GL has been developed especially for letting white surfaces of a sign or print glow up in the dark after the image has been exposed to light for a certain period of time. Thanks to its excellent UV-block the film is extremely suited for outdoor use under the most extreme conditions.

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

- Good protection indoors as well as outdoors
- Adds enormously to the UV-resistance of your prints

CORRESPONDING PRINT MEDIA

Grafiprint GL is recommended for the protection of all cast Grafiprint print media.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

1	Thickness vinyl (1) Thickness vinyl + adhesive + release liner	(1) Average
2	Elongation at break (production length) (2) Elongation at break (cross)	(2) Minimum
3	Dimensional stability (3)	(3) Maximum
4	Adhesion strength after 20 minutes (4) Adhesion strength after 24 hours	(4) Average
5	Quickstick (5)	(5) Average
6	Max. outdoor life span (6)	(6) Central-European conditions
7	Glow intensity	
8	Temperature range during application Temperature range at use	
9	Colour back print	
10	Flammability If applied on aluminium, glass, steel = self-extinguishing	

TEST METHOD	RESULT
Din53370	70µm 215µm
Din53455	> 150% > 150%
Finat 14	< 0,2mm
Finat 1	14 N/25mm 18 N/25mm
Finat 9	12 N
-	2-3 years (vertical)
Din67510-1	after 10 min.: 36,7 mcd/m ² after 60 min.: 5 mcd/m ² after 662 min.: 0 mcd/m ²
-	+5°C up to +40°C -20°C up to +70°C
-	Grey

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STORAGE INSTRUCTIONS

All Grafityp materials always have to be stored in their original packing and with the original protection flanges (preferably vertically).

In order to avoid any loss of quality, the Grafityp print film should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions Grafityp materials can be stored for a period of two years.

PATENT

Grafityp cast vinyls are manufactured by a patented production method.

IMPORTANT

The information mentioned in this product data sheet is based upon tests that were executed by Grafityp, and that we consider to be reliable. The information always represents an average, a minimum or a maximum value, and should be considered as such. It is given only for your information, and does not give any guarantee. It is up to the end user to decide whether or not the product is suited for his particular application.

The expected outdoor life span refers to outdoor use under Central European conditions and to vertical applications. Non-vertical application can reduce the life span up to 50%. The expected life span of our films is based upon professional application on a dry, degreased and suitable background. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.

The glow intensity of the Grafityp laminate GL is tested in accordance with Din67510-1. In this test, the laminate is exposed to a 1000 lux light source for 5 minutes, after which the glow intensity is measured after 10 minutes and after 60 minutes. Finally the test checks how long it takes until no glow can be measured anymore.

For more detailed information we also refer to our general "Grafityp Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".

Subject to modifications.

COMPATIBILITY TESTS

Preceding compatibility tests are always advisable!