

PRODUCT DATA SHEET

GRAFIPRINT PRINT MEDIA FOR LARGE FORMAT PRINTING

REFERENCE GEF122PE

RELEASE 10.02.2024 – Provisional specifications

GRAFITYP
makes you stick

DESCRIPTION

Grafiprint GEF122PE is an ecological, pvc-free white glossy GEF (Grafityp Ecology Film), which was developed to be used on latex and UV printers. The chlorine- and plasticizer free film comes with a water based permanent adhesive.

COMPOSITION

FILM

100µm white glossy pvc-free polyolefine film.

ADHESIVE

Transparent permanent pressure-sensitive water based acrylic adhesive.

RELEASE LINER

Double-sided PE-coated paper of 145 g/m²

APPLICATION

Grafiprint GEF122PE is perfectly suited for all possible indoor applications and especially for middle-term outdoor applications on non-corrugated surfaces.

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

- Good print quality.
- Good flatness.
- The product is perfectly safe when used indoors and contributes to a clean and safe living environment.
- PVC-free film for medium-term outdoor applications.

CORRESPONDING LAMINATES

Grafiprint GEF122PE is preferably laminated with one of the following Grafiprint laminates:

- Grafiprint LAM121, LAM130 or LAM171

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

- 1 Thickness film (1)**
Thickness film + adhesive + release liner
- 2 Weight film**
Weight film + adhesive + release liner
- 3 Dimensional stability (2)**
- 4 Adhesion strength after 20 minutes (3)**
Adhesion strength after 24 hours
- 5 Quickstick (4)**
- 6 Max. outdoor life span (unprinted) (5)**
- 7 Temperature range during application**
Temperature range at use
- 8 Flammability**
If applied on aluminium, glass, steel = self-extinguishing
- 9 Fire rating**
DIN EN 13501-1

(1) Average

(2) Maximum

(3) Average

(4) Average

(5) Central-European conditions (vertical)

TEST METHOD

RESULT

ISO 4593	100µm 270µm
-	90 g/m ² 270 g/m ²
Finat 14	< 0,1mm
Finat 1	8 N/25mm 11 N/25mm
Finat 9	10 N
-	3 years (unlaminated) up to 5 years (laminated with LAM121, LAM130 or LAM170)
-	+5°C up to +40°C -15°C up to +90°C

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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.

LAMINATING

A Grafityp laminate, which is always necessary in case the print will be exposed to mechanical friction, can prolong the life span considerably, and can give the print a high-gloss or matt effect.

VINYL COLOUR

As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job. The number to be taken into consideration for this purpose consists of the first 5 numbers of the 7-digit batch number.

REMARK

Polyolefin-based films tend to curl after printing at elevated temperatures. The material is therefore preferably rolled up immediately via the printer's roll-up mechanism. We recommend that prints made on a latex printer rest at least 24 hours on the tube rolled up. This benefits the flatness of the material and facilitates further processing.

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, and only applies to the used film and adhesive. This does not give any guarantee for the life span of a print, as it depends on too many factors, such as the inks. 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.

As the quality of your print does not only depend on the Grafityp medium, but also on various other factors (such as the printer, the inks, the print software, the ICC profile, the ambient temperature, the air humidity, etc...), Grafityp cannot guarantee or be held responsible for the eventual print result. Subject to modifications.