

PRODUCT DATA SHEET

GRAFIPRINT LAMINATES

REFERENCE LAM171

RELEASE 01.09.2020

GRAFITYP
makes you stick

DESCRIPTION

Grafiprint LAM171 is an ecological, pvc-free transparent glossy GEF laminate with permanent adhesive.

COMPOSITION

FILM

80µm glossy transparent pvc-free GEF film.

ADHESIVE

Transparent permanent pressure-sensitive dispersion-based acrylic adhesive with a high resistance against UV-radiation, chemical products and humidity.

RELEASE LINER

White clay-coated paper of 120 g/m²

APPLICATION

Grafiprint LAM171 is perfectly suited for all indoor applications and long-term outdoor applications (3.5 to 5 years) on non-corrugated surfaces.

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

- Good protection indoors as well as outdoors.
- Nice glossy effect.
- Anti-Graffiti properties

CORRESPONDING PRINT MEDIA

Grafiprint LAM171 is recommended for the protection of all monomeric, polymeric or pvc-free Grafiprint print media.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

- Thickness vinyl (1)**
Thickness vinyl + adhesive + release liner
- Elongation at break (production length) (2)**
Elongation at break (cross)
- Dimensional stability (3)**
- Gloss (Minimum – measuring angle 20°)**
- Adhesion strength after 20 minutes (4)**
Adhesion strength after 24 hours
- Quickstick (5)**
- Max. outdoor life span (6)**
- Temperature range during application**
Temperature range at use
- Colour back print**
- Flammability**
If applied on aluminium, glass, steel = self-extinguishing
- Fire rating**
B1 (Germany - DIN4102-1) and **CLASS 1** (UK - BS476-7)

(1) Average

(2) Minimum

(3) Maximum

(4) Average

(5) Average

(6) Central-European conditions

TEST METHOD

RESULT

Din53370	80µm 220µm
Din53455	> 300% > 300%
Finat 14	< 0,10mm
Din67530	> 50 Gloss Units
Finat 1	10 N/25mm 13 N/25mm
Finat 9	7 N
-	3.5 to 5 years
-	+5°C up to +40°C -15°C up to +90°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 laminates 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 up to two years.

TENSION

Due to the high elasticity of the Grafityp GEF laminates, we advise you to use as little tension as possible when applying the material.

SUBSTRATES

Due to the absence of plasticizers and due to their high flexibility, GEF laminates can be used not only on GEF print films, but also on monomeric and polymeric calendered films.

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.

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!

OVERLAPS

We cannot guarantee perfect adhesion if a PVC material is applied on top of the GEF laminate. However, the GEF laminate will adhere perfectly on PVC material.

SOFT SQUEEGEE

In order to prevent scratches on the soft GEF laminate, we advise you to apply it with a soft squeegee or by machine.