

PRODUCT DATA SHEET

GRAFIPRINT LAMINATES

REFERENCE LAMx45UV

RELEASE 01.10.2020

GRAFITYP
makes you stick

DESCRIPTION

Grafiprint LAMx45UV is a polymeric cast transparent matt PVC laminate with permanent adhesive. The laminate has been created for protecting digital prints that were made with UV-curable inks.

COMPOSITION

FILM

40µm polymeric cast transparent matt PVC film.

ADHESIVE

Transparent permanent pressure-sensitive solvent-based acrylic adhesive.

RELEASE LINER

Siliconised clay-coated paper of 120 g/m²

APPLICATION

Grafiprint LAMx45UV is, thanks to its excellent UV-block, extremely suited for outdoor use under the most extreme conditions.

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

Will add enormously to the UV-resistance of prints made with UV-curable inks.

CORRESPONDING PRINT MEDIA

Grafiprint LAMx45UV is recommended for the protection of all cast Grafiprint print media that are printed with UV-curable inks.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

- | | TEST METHOD | RESULT |
|---|-------------|---------------------------------------|
| 1 Thickness vinyl (1)
Thickness vinyl + adhesive + release liner | Din53370 | 40µm
190µm |
| 2 Elongation at break (production length) (2)
Elongation at break (cross) | Din53455 | > 200%
> 200% |
| 3 Dimensional stability (3) | Finat 14 | < 0,25mm |
| 4 Gloss (Maximum – measuring angle 85°) | Din67530 | 20 GU (Gloss Units) |
| 5 Adhesion strength after 20 minutes (4)
Adhesion strength after 24 hours | Finat 1 | 13 N/25mm
16 N/25mm |
| 6 Quickstick (5) | Finat 9 | 12 N |
| 7 Max. outdoor life span (6) | - | 5-6 years (vertical) |
| 8 Temperature range during application
Temperature range at use | - | +5°C up to +40°C
-20°C up to +70°C |
| 9 Colour back print | - | Grey |
| 10 Flammability
If applied on aluminium, glass, steel = self-extinguishing | | |

(1) Average

(2) Minimum

(3) Maximum

(4) Average

(5) Average

(6) Central-European conditions

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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.

COMPATIBILITY TESTS

Preceding compatibility tests are always advisable!

TIP

If the LAMx45UV laminate is heated to a temperature of 40°C during the laminating process, the "silvering" effect will disappear quicker.

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.