

PRODUCT DATA SHEET

GRAFICAST SERIES GLOSSY COLOURS

REFERENCES SC1000 up to SC1521

RELEASE 01.12.2020



DESCRIPTION

The Graficast series is a cast PVC sign making film.

APPLICATION

The Graficast series was developed for long term outdoor applications (7 to 10 years) under the most extreme conditions. As the film is extremely soft and flexible, it can be used on 3D surfaces with ease. Graficast films are therefore suitable for sign making on cars, boats, trucks and airplanes, but also for stripings in the automotive industry.

→ INDOOR/OUTDOOR USE

COMPOSITION

FILM

50µm cast PVC film.

ADHESIVE

Permanent pressure-sensitive solvent-based acrylic adhesive with a high resistance against UV-radiation, chemical products and humidity.

RELEASE LINER

Siliconised white PE-coated paper of 130 g/m².

PRODUCT ADVANTAGES

- Can be used for the most difficult applications.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

- | | TEST METHOD | RESULT |
|--|-------------|--|
| 1 Thickness film (1)
Thickness film + adhesive + release liner | Din53370 | 50µm
215µm |
| 2 Elongation at break (production length) (2)
Elongation at break (cross) | Din53455 | > 200%
> 200% |
| 3 Dimensional stability (3) | Finat 14 | < 0,20mm |
| 4 Adhesion strength after 20 minutes (4)
Adhesion strength after 24 hours | Finat 1 | 14 N/25mm
16 N/25mm |
| 5 Quickstick (5) | Finat 9 | 10 N |
| 6 Max. outdoor life span (6) | - | 10 years – colours 7-10 years |
| 7 Temperature range during application
Temperature range at use | - | +5°C up to +40°C
-25°C up to +100°C |
| 8 Flammability
If applied on aluminium, glass, steel = self-extinguishing | | |

TEST METHOD

RESULT

1 Thickness film (1) Thickness film + adhesive + release liner	Din53370	50µm 215µm
2 Elongation at break (production length) (2) Elongation at break (cross)	Din53455	> 200% > 200%
3 Dimensional stability (3)	Finat 14	< 0,20mm
4 Adhesion strength after 20 minutes (4) Adhesion strength after 24 hours	Finat 1	14 N/25mm 16 N/25mm
5 Quickstick (5)	Finat 9	10 N
6 Max. outdoor life span (6)	-	10 years – colours 7-10 years
7 Temperature range during application Temperature range at use	-	+5°C up to +40°C -25°C up to +100°C

(1) Average (2) Minimum (3) Maximum (4) Average (5) Average (6) Central-European conditions

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STORAGE INSTRUCTIONS

All Graficast materials always have to be stored in their original packing and with the original protection flanges (preferably vertically). These films are softer than calendered films and consequently more sensitive to pressure marks when they are stored horizontally, resting on their own weight.

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

PATENT

The Graficast cast films 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 outdoor 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 information, see our warranty certificates.

Subject to modifications.

SURFACE CLEANING

In order to achieve an optimal result, we advise you to clean/degrease the surface with isopropanol and/or to use a low-tack application tape!

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.

PIGMENTATION

The colour of the Graficast films may come off slightly because of over-pigmentation, but as the film is coloured in the mass, this will have no influence on the UV-resistance and the eventual colour of the film.

ALPHASET
TECHNOLÓGIE A MATERIÁLY NA VÝROBU REKLAMY

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