

PRODUCT DATA SHEET

GRAFITACK AMD FILMS POLYMERIC CARBON

REFERENCES PC01 to PC80

RELEASE 01.12.2020

GRAFITYP
makes you stick

DESCRIPTION

The Graitack AMD (Automotive & Deco) Carbon series with product references PC01 (carbon white), PC55 (carbon silver) and PC80 (carbon black) is a structured polymeric calendered PVC film with a carbon effect. The film comes with a permanent adhesive.

COMPOSITION

FILM

150µm structured polymeric calendered PVC film with a carbon effect.

ADHESIVE

Transparent permanent pressure-sensitive solvent-based acrylic adhesive.

RELEASE LINER

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

APPLICATION

Graitack polymeric calendered carbon films have been developed especially for decorative purposes and for wrapping flat and/or slightly curved surfaces. They can be used for indoor and outdoor applications.

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

- The polymeric calendered carbon films give your design a perfect carbon look.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

1	Thickness film (1) Thickness film + adhesive + release liner		
2	Elongation at break (production length) (2) Elongation at break (cross)		
3	Dimensional stability (3)		
4	Adhesion strength after 20 minutes (4) Adhesion strength after 24 hours		
5	Quickstick (5)		
6	Max. outdoor life span (unprinted) (6)		
7	Temperature range during application Temperature range at use		
8	Flammability If applied on aluminium, glass, steel = self-extinguishing		

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

TEST METHOD	RESULT
Din53370	150µm 380µm
Din53455	> 100% > 100%
Finat 14	< 0,4mm
Finat 1	17 N/25mm 20 N/25mm
Finat 9	11 N
-	Flat/slightly curved surfaces: - Adhesion 7 years - Colour 5-7 years Full wrap: up to 3 years
-	+5°C up to +40°C -25°C up to +80°C

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STORAGE INSTRUCTIONS

All Grafitack 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 Grafitack 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 Grafitack materials can be stored for a period of two years.

COLOUR OF THE FILM

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.

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 application. 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 life span can also differ, depending on the colour (due to the pigmentation).

More information on this in our warranty certificates.

Grafitack films must only be applied to undamaged, original paintwork. Grafityp cannot be held responsible for any damage during application or removal, if the material is used on non-original or aftermarket paintwork.

Subject to modifications.

APPLICATION

When applying structured films, it is important that the right techniques are used for heating the material. More "tips & tricks" on the application of the structured Grafitack films can be found on our website (www.grafityp.com → Downloads → Manuals).

REMOVAL

In order to remove the film again, it should be heated thoroughly in order to prevent adhesive transfer. Due to the structure of the material, the film can tear while being removed.