

PRODUCT DATA SHEET



GRAFITACK TRANSLUCENT SERIES

REFERENCES TL128 to TL901

Released on the 10th of September 2015



Description

The Grafitack Translucent series is a soft cadmium-free polymeric calendered translucent PVC film, provided with a pressure-sensitive permanent acrylic adhesive. This adhesive is protected by a high-quality silicone paper. A good recognizability is guaranteed by the red print on the material's backing paper.

Composition

Film : 80 micron thick polymeric calendered translucent PVC film
 Adhesive : permanent pressure-sensitive solvent-based acrylic adhesive, with a high resistance against UV-radiation, chemical products and humidity.
 Backing paper : siliconised white kraft paper of 120 gr/m²

Application

The Grafitack Translucent series was developed for illuminated advertising, and can be used for numerous applications, such as on light boxes and also on most flexible sign faces.

Product advantages

The high UV-resistance of the film guarantees nice longlasting illuminated advertising.

Product specifications

Technical properties at a relative humidity of 50 ± 5 % and a temperature of 23 ± 2°C.

		Test method	Result
1.	Thickness¹		
	Thickness vinyl	Din53370	80 micron
	Thickness vinyl + glue + backing paper	Din53370	220 micron
2.	Elongation at break²		
	In production-length direction	Din53455	> 130 %
	In cross direction	Din53455	> 150 %
3.	Dimensional stability³	Finat 14	< 0.40 mm
4.	Degree of gloss		
	Minimum (measuring angle 85°)	Din67530	25 GU (gloss units)
	Maximum (measuring angle 85°)	Din67530	35 GU (gloss units)
5.	Adhesion strength⁴		
	After 20 minutes	Finat 1	16 N/25mm
	After 24 hours	Finat 1	20 N/25mm
6.	Quickstick⁵	Finat 9	11 N
7.	Expected outdoor life span⁶	-	Adhesion :7 years Colours 5-7 years gold & silver 3 years
8.	Temperature range		
	At application	-	+10°C to +40°C
	At use	-	-20°C to +70°C
9.	Colour back print	-	red
10.	Flammability		
	If applied on aluminium, glass, steel = self-extinguishing		

Storage instructions

All Grafitack materials always need to be stored in their original packing and with the original protection flanges (and preferably stored vertically).

In order to avoid any loss of quality, the Grafitack materials should also be stored in suitable conditions, that is at a temperature between 10 and 20°C, and a relative humidity of 50%.

Under these conditions, the Grafitack materials can be stored up to two years.

Remarks

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

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 only given 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.

- 1)**
The thickness of the Grafitack materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.
- 2)**
The elongation at break of the Grafitack materials may vary slightly. The indicated value is a minimum value, obtained from a series of measurements.
- 3)**
The dimensional stability is the shrinkage of the unprinted material in mm. This value is measured by applying the film on aluminium (10x10cm), and placing it in a hot-air oven at 70°C for 48 hours (= Finat 14 Method, adjusted according to our own internally developed procedure). The indicated value is a maximum value, obtained from a series of measurements.
- 4)**
The adhesion strength is measured on glass, and this after 20 minutes and after 24 hours. The film is removed again in an angle of 180° and at a speed of 300 mm/min. The indicated value is an average value, obtained from a series of measurements.
- 5)**
The "Quickstick" is the direct adhesion strength, measured on glass. The indicated value is an average value, obtained from a series of measurements.
- 6)**
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. The life span can also differ, depending on the colour (due to the pigmentation). 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 "Grafiprint Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".