

PRODUCT DATA SHEET



GRAFIPRINT MEDIA FOR SOLVENT PRINTERS

REFERENCE D440

Reviewed on 21st October 2015



Description

Grafiprint Blockout Banner Material with reference D440 is a soft, exceptionally strong, self extinguishing banner material in matt finish, printable at both sides, especially for use on solvent printers (eco/mild/hard). It can also be used for latex printers, UV-printers and screen printing.

Composition

Blockout banner film with a thickness of 340 µm, for indoor and outdoor applications.

Usability

Grafiprint Blockout Banner Material D440 can be used on all common solvent and eco-solvent printers, and is also suited for latex printers, UV-printers and screen printing.

Application

Grafiprint Blockout Banner Material D440 has been developed especially for short to middle-term outdoor applications up to one year, such as point-of-purchase and outdoor advertising, etc..., and for almost unlimited indoor applications.

Product Characteristics

- very smooth and fine surface for excellent colour performance
- perfectly printable with stable ink absorption and faster drying ability
- exceptionally strong, both in length direction and cross direction
- good rate of opacity, specially designed for double-side printing
- self extinguishing

Product Specifications

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

		Test method	Result
1.	Thickness¹ Thickness banner	Din53370	340 micron
2.	Weight² Weight banner	Din53455	440 gr/m ²
3.	Base fabric	-	250Dx250D 42x40 threads/inch
4.	Elongation at break³ In production length direction In cross direction	GB/T1040 GB/T1040	> 10 % > 15 %
5.	Tearing strength In production length direction In cross direction	GB/T16578 GB/T16578	> 30 N/5cm > 30 N/5cm
6.	Expected outdoor life span⁴	-	1 year
7.	Flammability	-	self extinguishing

Storage instructions

All Grafiprint 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 Grafiprint banner material 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 Grafiprint blackout banner material can be stored for a period of one year.

Remarks

We advise you to leave the solvent prints to dry sufficiently before enrolling them or laying them on top of each other.

As the colour of the material can differ slightly for each production run, we advise you not to use materials with different batch numbers in one single and critical job. The number to be taken in to consideration for this purpose consists of the first 5 numbers of the 7-digit batch number.

Recommended temperature settings

When printing on the Grafiprint solvent media, the temperature settings of the printer are extremely important. Depending on the ambient conditions, the amount of ink and the requested print quality, we advise a pre-heater temperature between 35°C and 45°C. This temperature can be raised, on condition that the Grafiprint material stays completely flat. A too high temperature can lead to an inferior print quality and to colour differences, because the material will become soft, as a result of which it might get damaged by the transport wheels of the printer, and because the material will undulate, as a result of which it could touch the print head.

The same goes for the use of an after-heater (dryer). We advise an after-heater temperature that is about 5°C to 10°C higher than the pre-heater temperature. But again, the material should not undulate as a result of a too high temperature setting.

In general, we can say the temperature of both heaters should be set as high as possible, without the material showing any form of undulation.

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 Grafiprint materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.

2) The weight of the Grafiprint materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.

3) The elongation at break of the Grafiprint materials may vary slightly. The indicated value is a minimum value, obtained from a series of measurements.

4) The expected outdoor life span refers to outdoor use under Central European conditions and to vertical applications, and was tested under the most extreme conditions. Under normal conditions, a longer life span may be expected. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.

As the quality of your print does not only depend on the Grafiprint medium, but also on so many other factors (such as the printer, the quality of the inks, the print software, the ICC profile, the ambient temperature, the air humidity, etc...), Grafityp can not guarantee or be held responsible for the eventual print result.

The materials mentioned in our compatibility list have been tested under normal conditions and are purely indicative.

Subject to modifications.

For more detailed information we also refer to our general "Grafiprint Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".