

## PRODUCT DATA SHEET



# GRAFIPRINT MEDIA FOR LOW-VOLATILE SOLVENT PRINTERS

## REFERENCE LFMD

Released on 23rd May 2011



### Description

Grafiprint LFMD is a white matt PE-coated photo paper, provided with a special one-sided matt printable coating, which was developed to be used on low-volatile solvent printers, (such as the Mutoh Rockhopper, the Roland SolJet, etc...). This paper is also extremely suited to be used on solvent printers, such as the Océ/Arizona printers, the Vutek printers, etc...

### Composition

265 gramme matt photo paper with a special coating for low-volatile solvent printing. As the base material is coated on both sides, a very good lay-flat is guaranteed.

### Application

Grafiprint matt photo paper LFMD has been especially designed for all possible indoor applications (e.g. for printing pictures and posters for trade shows, exhibitions, etc...). Thanks to the special coating, the paper also allows limited outdoor use.

### Product Specifications

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

	Test method	Result
1. <b>Thickness<sup>1</sup></b> Thickness paper + coating	ISO 534	275 micron
2. <b>Weight<sup>2</sup></b> Weight paper + coating	ISO 536	265 gr/m <sup>2</sup>
3. <b>Degree of gloss</b> Minimum gloss (measuring angle 85°)	ISO 8254/1	33 GU (gloss units)

### 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 photo paper 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 materials can be stored for a period of two years.

During transport as well, a too high ambient temperature is not to be advised.

### Remarks

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

A Grafiprint UV-laminate, which is always necessary in case the print will be exposed to mechanical friction, can prolong the life span considerably, and can give the print a high-gloss or matt effect.

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 and low-volatile 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.

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 ink limits, 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".