GRAFITYP

Technical Data Sheet

Grafiprint Low-Solvent Media

LFMD

Released on 1st July 2004

Grafiprint digital printing materials

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 printes, the Vutek printers, etc...

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.

Composition

265 gram 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.

Product Specifications

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

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		Test method	Result
1.	**Thickness**[1]		
	Thickness paper + coating	ISO 534	275 micron
2.	**Weight**[2]		
	Weight paper + coating	ISO 536	265 gr/m²
3.	**Degree of gloss**		
	Minimum (measuring angle 85°)	ISO 8254/1	33 %

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 %.

It is also advised not to transport the media in too high a temperature.

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 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 a matt effect.

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.