

GRAFIPRINT PRINT MEDIA FOR LARGE FORMAT PRINTING 适用于大幅面印刷的GRAFIPRINT 印刷介质



REFERENCE M114R 型号 M114R

RELEASE 01.12.2020 发布日期 2020年12月1日

DESCRIPTION 描述

Grafiprint M114R is a monomericcalendered white glossy PVC film with grey removable adhesive, specially for use on solvent printers (eco/mild/hard), latex printers and UV printers. Grafiprint M114R 是一款单体压延白色光泽PVC薄膜，配有灰色可移除胶粘剂，专为溶剂型打印机（环保/温和/强力）、乳胶打印机和UV打印机设计。

COMPOSITION 成分

FILM 薄膜

100µm monomericcalendered white glossy PVC film.
100微米单体压延白色光泽PVC薄膜。

ADHESIVE 粘合剂

Grey removable pressure-sensitive dispersion-based acrylic adhesive with a high resistance against UV-radiation, chemical products and humidity. 灰色可移除压敏分散型丙烯酸胶粘剂，具有高抗紫外线、化学品和湿度性能。

RELEASE LINER 离型纸

White clay-coated paper of 120 g/m²
120克/平方米白色涂布纸。

APPLICATION 应用

Grafiprint M114R is perfectly suited for all indoor applications and short-term outdoor applications on non-corrugated surfaces.

Grafiprint M114R 完美适用于所有室内应用及非波纹表面的短期户外应用。

→ INDOOR/OUTDOOR USE 室内/室外通用

PRODUCT ADVANTAGES 产品优势

Good opacity thanks to the grey adhesive. 灰色胶粘剂提供良好遮光性

CORRESPONDING LAMINATES 配套覆膜材料

Grafiprint M114R is preferably laminated with one of the following Grafiprint laminates: Grafiprint M114R 建议与以下Grafiprint覆膜搭配使用：

- Grafiprint M010P
- Grafiprint M011P

PRODUCT SPECIFICATIONS 产品规格

Technical properties技术属性

RELATIVE HUMIDITY相对湿度 TEMPERATURE温度

50 ± 5%

23 ± 2°C

1	Thickness vinyl (1)乙烯基厚度	Din53370	100µm
	Thickness vinyl + adhesive + release liner薄膜+粘合剂+离型纸总厚度	Din53455	225µm
2	Elongation at break (production length) (2)断裂伸长率（纵向）		> 200%
	Elongation at break (cross)断裂伸长率（横向）		> 200%
3	Dimensional stability (3)尺寸稳定性	Finat 14	< 1,00mm
4	Adhesion strength after 20 minutes (4)20分钟后的粘合强度	Finat 1	5 N/25mm
	Adhesion strength after 24 hours24小时后的粘合强度		7 N/25mm
5	Quickstick (5)快粘力	Finat 9	5 N
6	Max. outdoor lifespan (unprinted) (6)最大户外使用寿命	-	Up to 3 years
7	Temperature range during application施工温度范围	-	+10°C up to +35°C
	Temperature range at use使用温度范围		-15°C up to +60°C
8	Colour back print 背面印刷颜色		Grey
9	Flammability阻燃性		
	If applied on aluminium, glass, steel = self-extinguishing应用于铝、玻璃、钢材时自熄火		
10	Fire rating防火等级		
	DIN EN 13501-1		

(1) Average (2) Maximum (3) Average (4) Average (5) Central-European conditions
(1) 平均值 (2) 最小值 (3) 最大值 (4) 平均值 (5) 平均值 (6) 中欧地区条件

TEST METHOD检测方法 RESULT结果

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STORAGE INSTRUCTIONS 存储说明

All Grafiprint materials always have to be stored in their original packing and with the original protection flanges (preferably vertically). 所有Grafiprint材料必须保留原包装和防护边（建议竖直存放）。

In order to avoid any loss of quality, the Grafiprint print film should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions Grafiprint materials can be stored for a period of two years. 为确保质量，应储存在 10-20°C、相对湿度50%的环境中。在此条件下可保存两年。

RECOMMENDED DRYING TIMES

It is extremely important that prints, made on an (eco) solvent printer, are left to dry sufficiently before they are laminated and/or applied. A good ventilation during the drying process is of utmost importance. For standard prints you need to take into account a drying time of 24 to 48 hours. For very dark prints or very high ink loads on the material, a drying time of 48 to 72 hours is required.

使用（环保）溶剂型打印机打印的印刷品在层压和/或粘贴之前必须充分干燥，这一点极为重要。在干燥过程中保持良好的通风至关重要。对于标准印刷品，需要考虑 24 至 48 小时的干燥时间。对于颜色很深或油墨量很大的印刷品，则需要 48 至 72 小时的干燥时间。

RECOMMENDED PRINTER SETTINGS 推荐打印机设置

If Grafiprint media are used on (eco) solvent printers, temperature settings 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. The temperature can be raised, on condition that the material stays completely flat. Too high temperatures can lead to an inferior print quality and to colour differences, as the material will become softer and undulate. 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, on condition that the material doesn't start undulating. In general we can say that the temperature of both heaters should be as high as possible, without the material showing any form of undulation.

如果在（环保）溶剂型打印机上使用 Grafiprint 介质，温度设置极为重要。根据环境条件、油墨量和要求的打印质量，我们建议预热温度在 35°C 至 45°C 之间。在材料保持完全平整的条件下，温度可以提高。温度过高会导致印刷质量下降和色差，因为材料会变软和起伏。使用后加热器（烘干机）也是如此。我们建议后加热器的温度比预加热器的温度高 5°C 至 10°C，条件是材料不会开始起伏。通常情况，我们可以说两个加热器的温度都应尽可能高，但材料不能出现任何形式的起伏。

INK AMOUNT 墨水量

Large amounts of solvent ink on the material can activate the ink on the backside of the release liner. If the material is enrolled too quickly after printing, the print on the backside of the release liner may become visible in your printout. 过量溶剂墨水可能激活离型纸背面的墨水。若收卷过快，可能导致背面墨水透印。

VINYL COLOUR 色号

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. 由于不同生产批次的薄膜颜色可能存在细微差异，建议关键作业中不使用不同批号的薄膜。7位批次号前五位数字为识别依据。

REMOVAL 移除建议

Developed for easy/quick application and easy/quick removal from most surfaces. Adhesive residues may stay behind on PVC surfaces. Please avoid removing the film if the surface is extremely hot, as this will result in adhesive residues staying behind as well. 专为方便/快速涂抹和方便/快速从大多数表面清除而设计。胶粘剂残留物可能会残留在PVC表面。如果表面温度极高，请避免撕除薄膜，因为这也会导致胶粘剂残留。

IMPORTANT 重要事项

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.

本数据表信息基于Grafityp实验室测试结果，数据均为平均值/最小值/最大值，仅作参考不构成质量保证。最终用户需自行评估产品适用性。

The expected outdoor lifespan refers to outdoor use under Central European conditions and to vertical applications, and only applies to the used film and adhesive. This does not give any guarantee for the life span of a print, as it depends on too many factors, such as the inks. 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 lifespan. 预期户外使用寿命基于中欧地区垂直应用场景。

非垂直应用可能缩短50%寿命。使用寿命测算基于专业施工于干燥、脱脂的合格基材。热带气候或化学暴露环境会显著影响使用寿命。

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

由于打印质量不仅取决于 Grafiprint 介质，还取决于其他各种因素（如打印机、墨水、打印软件、ICC 配置文件、环境温度、空气湿度等），因此 Grafityp 无法保证最终的打印效果，也不承担任何责任。本公司保留修改权利。