TRANSFER PAPER

Digital

Product Description ENG

Date 22.03.2017 Rev. 4

SUPPORT

- Paper weight: 45 g/m²
- Printing width: 1600 mm
- Core diameter: 70-75 mm
- Roll diameter: 90 mm to 220 mm
- Roll length: 500 mt

PRINTING

Digital printing with sublimatic water-based inks.

DESCRIPTION

Pure cellulose transfer paper printed with digital plotter with very high characteristics in terms of resolution for the finishing of various supports.

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Nr. R.E.A. CN-273687
Cod.Fisc./P.I. IT 03232390041

Unico socio e sotto
la direzione e coordinamento
di Miroglio s.p.a.

APPLICATION SYSTEMS

It's possible to apply the product both with flat press than calenders.
The standard Miroglio parameters for the application on fabric are:

	Temperature	Time	Pressure
Flat press	205 [°C] 401 [°F]	25 [sec]	2-3 [bar] 200-300 [KPa]

	Temperature	Time	Pressure	Speed
Calender	205 [°C] 401 [°F]	25 [sec]	2-3 [bar] 200-300 [KPa]	(equation below)

Equation for the calculation of the speed in calendering

Execution temperature 401°F and 26 sec

$$\frac{[(\text{Ø mt heated cylinder} \times 3.14) - 0.20(\text{standard threading})]}{\text{Contact time (sec)}} \times 60 = \text{optimun transfer speed in calender (mt/min)}$$

Example :

$$\frac{(0.76 \times 3.14) - 0.20}{25} \times 60 = 5.247 \text{ mt/min}$$

It is recommended to optimize the operating conditions through tests carried out with the actual production, depending on the means of transfer and the nature of the fabric to process.

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QUALITY AND R&D

Internal quality checks are performed through application of comparative tests with the master (first standard production) for the evaluation of the color shade on the decorated fabric surface.

FASTNESS VALUES OF INKS

	Sublimation on PES		Xeno light		Perspiration (ISO E04)							Washing 40°C (ISO C06A25)							Rubbing	
	Amount of ink (%)		(ISO B02)		CC	Dye-fading on multi-fiber						CC	Dye-fading on multi-fiber						(ISO X12)	
	100%	20%	100%	20%		CA	CO	PA	PES	PAC	WO		CA	CO	PA	PES	PAC	WO	Dry	Wet
YELLOW			6-7	6	4-5	4	4-5	4	4-5	5	4-5	4-5	4-5	4-5	4	4-5	5	4-5	4-5	4-5
MAGENTA			5-6	6	4-5	4	4-5	3-4	4-5	5	4-5	4-5	3-4	4-5	3	4-5	4-5	4	4-5	4-5
CYAN			5	5	4-5	4-5	5	4	4-5	5	4-5	4-5	4-5	5	3-4	4-5	5	4-5	4-5	4-5
BLACK			5-6	4-5	4-5	4-5	4-5	4	4-5	5	4-5	4-5	4-5	5	4	4-5	5	4-5	4	4
YELLOW FLUO			4	3	4-5	4	4	3-4	4	4-5	4	4-5	4	4-5	3	4-5	5	4	4-5	4-5
PINK FLUO			5	4-5	4-5	4-5	4-5	3-4	4-5	5	4-5	4-5	4-5	4-5	4	4-5	5	4-5	4-5	4-5

CC	Color variation
CA	Diacetate
CO	Cotton

PA	Polyamide
PES	Polyester

PAC	Acrylic
WO	Wool

All the test were carried out on 100% polyester fabric by an external laboratory according to UNI EN ISO regulations.
The effective fastness changes according to :

- sublimation temperature
- amount of ink
- type of substrate / fabric to decorate

The best printing conditions are evaluated according to the design/colorway for ensure the best high resistance of the final product.

TOXICITY AND SAFETY

All raw materials used for the production of transfer paper on plotter, meet the guidelines and limits set by:

- OEKO-TEX directive Standard 100 Class 2 (certificate n° 953105.O)

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STORAGE

Keep the product in a dry place and away from heat sources and sunlight.

PRODUCT EXPIRY DATE

6 months in the above-mentioned conditions.

PACKAGING

Heat sealed nylon bags.

NOTICE AND ADVICE

Handle the printed product with gloves so as not to mark the print. Sublitex is not responsible for irregular applications that have not followed the operational specifications of storage provided.

State of Art

The above information, reflect our current "State of Art", and are disclosed by us without obligation. However possible future changes and revisions according to the evolving technology and business are possible. We invite the buyer to the verification of the information given on the basis of its technology and engineering.

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