

TRANSFER PAPER

Rotogravure

Product Description ENG

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DESCRIPTION

Pure cellulose transfer paper printed with rotogravure machine for heat transfer printing.

SUPPORT

- Paper weight: 20-30-40 g/m²
- Print width: 1600-1860 mm
- Core diameter: 70-75 mm
- Roll diameter: 90 mm to 220 mm
- Roll length: 500-750-1000 m

PRINTING

Rotogravure printing with disperse dye, ethanol-based inks.



Cap.Soc.Euro 50.000.000 i.v.
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.

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APPLICATION SYSTEMS

It's possible to apply the product both with flat press than calenders.
The standard Miroglia 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 calculate the speed of calendering

Working temperature 401°F and 26 sec

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

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.

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 DYES

						
YELLOW FLUO	B	4	4 4 4	5 5 4	4-5 5	4-5
RED FLUO	C	5	5 5 5	4 5 5	5 5	5
YELLOW	B	6	4-5 5 5	5 5 5	5 5	5
ORANGE	B	4-5	5 5 5	5 4-5 5	5 4-5	5
FUCHSIA	C	6	5 5 5	5 5 5	5 4-5	5
RED	C	6	5 5 5	5 5 5	5 4-5	5
BLUE AS	C	7	5 5 5	5 5 5	5 5	5
BLUE	B	5	5 5 4-5	5 5 4-5	5 5	5
VIOLET BLUE	B/C	6	5 5 4-5	5 5 4-5	5 5	5
BLACK	B/C	5-6	5 5 4-5	5 5 4-5	5 4-5	5

LEGENDA



TRANSFER CLASS : A RAPID RATE OF
B AVERAGE RATE OF
C SLOW RATE OF



LIGHT FASTNESS [UNI EN ISO 105-B02-1994] (MAX = 8)



ISO 3 WASH TEST/CHANGE OF SHADE *
ISO ALKALINE PERSPIRATION: STAINING OF POLYESTER*
STAINING OF POLYAMIDE*



RUBBING: DRY / WET*



CHLORINATION: CHANGE OF SHADE*
*[UNI EN ISO 105-A02-1994] (MAX = 5)

Fastness data refer to transferring performed on 100% polyester fabric (untreated)

The effective fastness values, for any design/colourway depend on the following:

- amount of ink / colour used in that design / engraving
- varnish dilution (colour intensity)
- type of fabric
- transfer conditions

The best printing conditions must be evaluated on the final application of the product in order to assure the longest "service life" of the final product.

TOXICITY AND SAFETY

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

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

STORAGE

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

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 operating 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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