

Polar Bear Paper has developed a new generation of dye sublimation transfer papers with extraordinary properties. Our goal is to supply the market with innovative papers characterized by outstanding print characteristics and superior ink transfer.

Our papers achieve vibrant and brilliant images with high contour sharpness and color depth. They cover the full product range, from fashion and sportswear, banners and flags to personalized interior design and soft signage. Compared to papers currently available we use thinner base papers, thus save resources and reduce carbon footprint. Some of our papers are either to a large extent or completely based on pre-consumer recycling fiber.

Polar Bear Ultra X HRP - High Resolution Print

Available in 50 g/m² and 70 g/m² and a maximum reel width of 3.20m. PBP XHRP is a virgin fiber coated paper for highest quality requirements.

Its outstanding properties are:

- Cockling-free = wave- and crease-free printing even with high ink coverage
- High dimensional stability = no expansion of the printed image when the paper is printed with high ink coverage
- High contour sharpness and contrast on both paper and textile = best print results
- Ink savings of 8 to 12% compared to traditional transfer papers generate extra value
- Optimal ink transfer from paper to textile
- No ghost images = maximum ink transfer due to the high density of the base paper
- Low weight = saving of resources
- High tear resistance = good handling properties

Ultra X HRP 70 - 70 g/m² . We recommend printing on the rough side when the paper is used for textile

Polar Bear FP - Fashion Print

Available in 24 g/m², 45 g/m² and 75 g/m² and a maximum reel width of 4.75m. PBP FP is an uncoated paper for high quality demands which is made from approx. 70% recycled fibers.

Its outstanding properties are:

- Reduced creasing, even with high ink coverage
- High dimensional stability = no expansion of the printed image when the paper is printed with high ink coverage
- High contour sharpness and contrast on both paper and textile = best printing results
- very good ink transfer from paper to textile
- Low weight = saving of resources
- High tear resistance = good handling properties

TECHNICAL DATASHEET



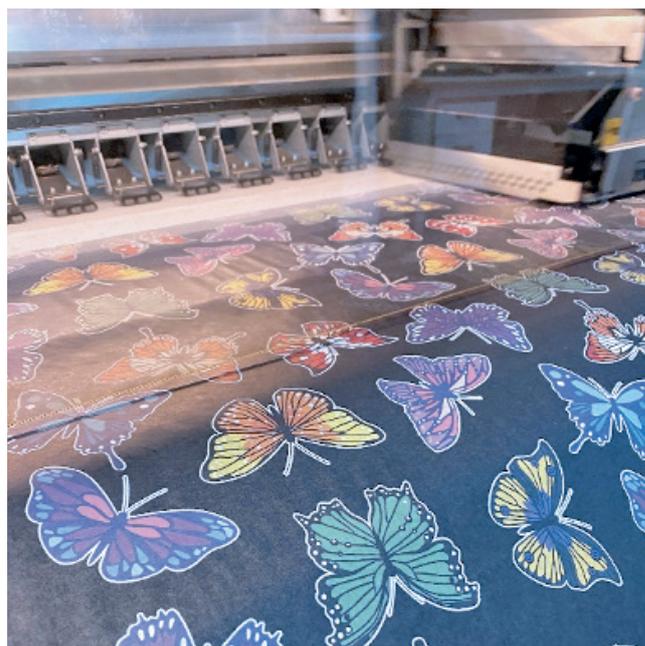
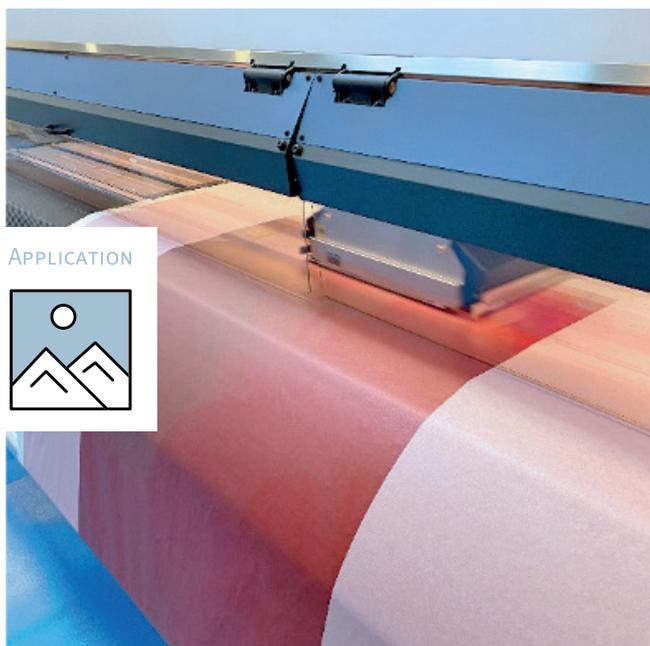
Polar Bear PP - protection paper

Available in 24 g/m² and a maximum reel width of 4.75m.
PBP PP is made from 100% recycled fibers.

Its properties are:

- Protective paper for the calender
- High density and uniform fiber distribution in the paper
- Ideally suited for prints with high ink coverage
- Good transfer characteristics, crease-resistant

Cockling-free printing



Polar Bear Paper sample prints

Printer:	Mimaki TS 500
resolution:	540 x 360 VD
Speed:	70 meter / Hour
Ink type:	Mimaki Sb 310
Transfer:	210 degrees C / Ind 30 seconds
Textile source:	Simplex Knitting Ltd. (UK)
Quality:	Tricot - 100 % polyester (satin), 165 g/m ² , gauge: 40