

# Reflex<sup>®</sup> Micropack

translucent white

Processing hints

## The paper for sustainable packaging with a unique barrier property

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### Offset Printing

Transparent papers have practically no absorption qualities. For this reason, printing should be carried out using inks (foil inks) that dry purely by oxidation. Deploy lower damping (pH  $\geq 5.5$ ) and print in small stacks.

In case of reduced trapping, a trapping stripe as broad as possible also needs to be printed. This reduces the danger of the excessive emulsifying of damping water in the printing ink.

To avoid set-off, powder spraying should be carried out. This must take place in accordance with the ink film and stack height (please refer to the manufacturer's recommended grain size).

In the case of increased ink film thickness when printing solid areas (> 100 %), and in the case of two-sided printing, fatty exudations may result leading to imperfect trapping. UV drying is recommended in such cases. This will also avoid set-off. Due to the inevitable build up of heat during UV drying, the paper should be stored flat. Second generation UV emitters featuring heat filters are especially recommended.

During IR drying, curling and/or warping may occur due to the build up of heat.

### Flexographic

Solvent-based inks are recommended.

### Climate

Transparent papers are particularly sensitive to climatic conditions. For this reason, particular attention should be paid to the relative humidity and temperature in the print room (ca. 20°C/20% relative humidity). To ensure faultless print finishing, we recommend water-vapour-proof, print- stack packaging immediately after printing.

### Desktop Inkjet/Laser Printing

Transparent paper of Reflex GmbH & Co. KG is suitable for printing using laser and inkjet printers for desktop use. Due to the wide variety of printers available, we recommend that you refer to the manufacturer's specifications, particularly with regard to permitted paper weights. We also recommend that tests specific to the application be carried out.

### Pre-print

Transparent paper of Reflex GmbH & Co. KG is also suitable for pre-print applications. Please read the points on Climate, Inkjet/Laser Printing and Hot Foil Blocking in reference to this.

### Cutting

To avoid damage to blades due to paper density and hardness, the use of a slightly blunted hard alloy blade with a 26° ground angle and bevel, as well as a 5 cm stack thickness, is recommended.

### Combination with other Paper Types

The paper has a relative moisture content of 50%. Since transparent paper is particularly sensitive to moisture, it is important to ensure that the moisture content of the papers to be combined also comprises 50%, otherwise the transparent paper will become deformed over a period of time.

### Blind Embossing

In general Transparent paper of Reflex GmbH & Co. KG is suitable for blind embossing but may develop a milky discoloration. This discoloration could prove to be an attractive advantage, depending on the printed results to be achieved. Test embossing is recommended.

### Creasing/Folding

The line of the crease or fold should preferably follow the grain direction. Transparent paper above 150 gsm tends to break in the fold; therefore a double crease at the back is recommended (a crease or fold-line parallel to the grain direction is obligatory).

If the moisture content of the paper is too low, this will have the same effect, so please ensure the paper does not become too dry. When folding, a faintly milky edge will occur due to paper compression.

### Die Cutting/Drilling/Punching

Transparent paper of Reflex GmbH & Co. KG is well-suited for die-cutting, drilling, punching and laser die-cutting. During laser processing, a fine, hardly noticeable, brown edge forms around the edges on the reverse of the paper.

### Hot Foil Blocking

Very attractive results can be achieved using this technique. Because transparent paper is not easily compressible, foil contact must be exact. We recommend an extremely solid material for the back pressure. Extremely dry foils are best suited together with a standard adhesive (finishing should take place in accordance with the manufacturer's recommendations).

Foil blocking is not particularly suitable for laser processing. Test stamping is recommended.

### Overprint Varnishing

A very attractive finish can be achieved with gloss varnish on matt paper surfaces. Since transparent paper is not absorbent, we recommend varnishing using water-based or UV varnish. To receive an initial visual impression, proofs using overprint varnish are recommended.

### Binding/Gluing

Transparent paper of Reflex GmbH & Co. KG can be used in conjunction with all known binding techniques. In the case of perfect binding, please ensure that the grain direction runs parallel to the adhesive binding, particularly when dispersion adhesives containing water are used. These types of adhesive often cause warping in transparent paper. For this reason, we recommend the use of adhesives containing little or no water such as Hot melt or PUR.

For the best results, carry out test bindings on dummies.

### ISEGA Certificate of Compliance

White is uncritical for contact with food., ISEGA Certificate on request available.

### FSC<sup>®</sup>

Transparent paper of Reflex GmbH & Co. KG is FSC<sup>®</sup> certified.

### Disposal

Tracing paper is recyclable and can be disposed of as paper waste.