



## Gmund Colors Transparent

---

### PRINTING TIPS

#### Printing

- Offset printing
- Letterpress
- Silk-screen printing
- Blind embossing
- Hot foil stamping
- Paper etching
- Die cutting
- Engraving

#### Recommendations for offset printing

- Screens up to 80 l/cm
- Match litho to the paper colour
- Proof printing on same paper stock
- Under colour reduction when applying strong ink coverage

No absorption of ink, therefore:

- Use of fully oxidative drying inks or UV offset printing, economical water supply
- Slight print dusting, low printing stacks
- Careful drying, minimum of 48 hours

#### Recommendations for laser and inkjet printing

- Gmund Colors Transparent in 100 g/m<sup>2</sup> is suitable for laser and inkjet printing in desktop applications. The absorption of ink in inkjet printing is limited and requires an extended drying period. High temperatures may cause a distortion of the paper. Tests in advance are recommended for both techniques.
- The suitability for laser and inkjet printing refers to unprinted sheets in delivery format
- Further processing (offset printing, cutting to size, embossing, etc.) must not deleteriously affect the paper and its suitability for laser and inkjet printing
- Laser-compatible printing inks should be used for offset printing and only minimal amounts of dampening agents should be applied if pre-produced offset-printed sheets are intended for subsequent laser printing. An offset screen area with a maximal coverage of 40% is recommended.



## Special advice

- Acid free, pH-neutral
- Natural papers have a top side and a bottom side. It is recommended, to use the top side as the front side for the print project.
- Nice "milky" effects when embossing Gmund Colors Transparent
- When creasing or folding the paper, the fold should follow the grain direction. For Transparent in 200 g/m<sup>2</sup> a double creasing is recommended to reduce the possibility of breaking at the fold. "Milky" effect on the edges.
- Gmund Colors Transparent is very hard and dense. Therefore for cutting it is recommended to use a slightly blunted hard alloy blade with a 26° ground angle and bevel, as well as a stack thickness of max. 5 cm.
- Transparent papers are sensitive to climatic conditions and should be stocked and processed at approx. 20°C room temperature and 50 % relative humidity
- For the acclimatization the paper should be stored in the pressroom for at least 24 hours in its packaging, which should be removed shortly before printing. Between the different production steps it needs to be stored packaged and protected from moisture.
- High humidity, strong damping when printing and high temperatures during the drying process (e.g. infrared drying) need to be avoided.
- An increased pH-value of 6.0 of the damping water is recommended
- The use of additional drying agents should be avoided
- The paper surface can vary slightly from making to making
- For printing and processing, e.g. hot foil stamping, embossing, debossing, lamination, gluing etc. tests in advance are recommended.
- For printing and processing, the recommendations of the manufacturers of machines, inks, glues, lamination and embossing foils etc. have to be followed. For any damages caused by improper application, Gmund cannot accept liability.
- Engraving is an ancient craft. The use of modern textures or metallised papers is a challenge. Tests are recommended prior to starting the print run.

## Further information

- [world-en.gmund.com](http://world-en.gmund.com)