



## Gmund Cotton

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### PRINTING TIPS

#### Printing

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

#### Recommendations for offset printing

- Screens up to 80 l/cm
- Up to 310 g/m<sup>2</sup> Gmund Cotton is very well suitable for offset printing, for 600 and 610 g/m<sup>2</sup> a carton printer is required (material thickness approx. 1 mm)
- 900 and 910 g/m<sup>2</sup> are not suitable for offset printing
- Match litho to the paper colour
- Proof printing on same paper stock
- Under colour reduction when applying strong ink coverage
- Accumulations of cotton dust cannot be avoided and require frequent cleaning of rubber blankets

Low absorption of ink / no absorption of ink on the shiny papers, therefore:

- Use of fully oxidative drying inks
- Humidification with alcohol around 12%
- Print dusting (min. 30 micron), low printing stacks
- Careful drying, minimum of 24 / 48 hours

#### Recommendations for laser and inkjet printing

- 110 g/m<sup>2</sup> is suitable for laser and inkjet printing in desktop applications
- 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
- Double volume
- For the production of these papers, only high-grade cotton fibers from the US are used. Cotton is a naturally grown raw material which is not chemically homogenized. Occasional irregularities in colour (light spots) are typical for pure cotton papers and underline their natural character.
- The typical adaptation of paper to the humidity of the ambient air is more distinctive with cotton paper, therefore a strong desiccation may cause a shrinking of the paper.
- Gmund Cotton has a very soft surface, which can easily be harmed by pressure. Therefore with further processing any pressure and friction needs to be reduced as much as possible to avoid scratches.
- 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.
- Metallic hot foil on finished papers may lead to oxidation. Transparent, partial print varnish under the hot foil application can avoid this effect. When applying large motives, this proceeding is 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

- [www.gmund.com](http://www.gmund.com)