



ATLANTIS-PAK

Requirements for the artworks used for flexographic multicolor printing of frankfurter/wiener casings

1 Acceptable file formats

Adobe Illustrator, any version, all fonts must be in curves

Adobe PDF, any version, all fonts must be in curves

**Raster images must be linked to design and submitted together with the artwork file.*

2 Parameters of raster images used

File formats: TIF, PSD.

Graphic resolution: **300 dpi** (output with lineure of 65 lpi and resolution of 1200 dpi).

Minimum allowable raster percentage: **20%**.

Gradient fills (both vector and raster) must not 'zero out'; the upper limit of the halftone range is **90%**, the lower limit of the halftone range is **20%**.

3 Maximum number of print colors

From **1+0** to **6+2**

**Alignment of the face image with the reverse is not possible.*

4 Geometric dimensions of artworkss

Image length: **400 mm**.

Maximum image width shall be:

- **10 mm** less than the flat width of the casing used.

5 Process break*

Engraved plates are used (no process break).

**A process break is a transverse band on the image, which appears because of the need to fasten the end parts of the printing plate on the printing cylinder. This problem is encountered only when using the traditional photopolymer printing plates. When CYLINDRICAL PLATES (engraved) are used, there are no transverse bands across the image.*

6 Requirements for white-colored elements

Presence of white color under the image is obligatory (to avoid distortion of the print colors), except for the cases where color distortion is intentionally included in the design.

White color shall underlie the image with **0.7 mm – 1 mm** 'bleeding'.

7 Requirements for artwork elements

Minimum width of a separate line or dot printed in a single color:

- **0.3 mm** (positive print);

- **2 mm** (negative print).

Minimum width of a separate line or dot printed in two or more colors:

- **1.5 mm** (positive print);

- **3 mm** (negative print).

Minimum line width or dot size for knockout printing in white color must be not less than **2 mm**.

Minimum size of a 'positive' font printed in a single color: **6 pt**;

Minimum size of a 'negative' font printed in a single color: **7 pt**;

**Texts in fonts less than 12 pt can be printed in a single channel only, while texts in fonts more than 13 pt can be printed in two or more channels. It is advisable to avoid fonts with very thin elements (serifs, bridges, etc.).*

**These requirements refer only to the elements that must be reproduced by printing without distortions or defects (the semantically charged elements).*

The artwork design must take into account the vertical misregister from **0.5 mm to **0.7 mm** for each color.*

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