ATLANTIS-PAK

Requirements for the artworks used for flexographic CMYK and multicolor printing of sausage and 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 lineature of 65 lpi and resolution of 1200 dpi).
Minimum allowable raster percentage: **15%** for CMYK and **20%** for multicolor printing.
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 **15%** for CMYK and **20%** for multicolor printing.

3 Maximum number of print colors

From **1+0** to **6+6**
*For the **6+6** printing, the colors used on the front and back sides of the casing must be the same.

4 Geometric dimensions of artworks

Image length: **400 mm**.
Maximum image width for frankfurter/wiener casings shall be:
- **6 mm** less than the flat width of the casing used.

5 Process break*

No process break is needed for frankfurter/wiener casings (where engraved plates are used).

6 Requirements for white-colored elements

It is forbidden to separate a white color for text and solid elements when printing
upon frankfurter/wiener casings.
Using a double white color is applicable only on large solid areas from **5 cm²**

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 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**;
Minimum size of a separate line printed in color "SuperWhite": **3 mm**.

*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 **0.3 mm** to **0.7 mm** for each color.
*It is allowed to print with a rasterized color only over solid areas.
*When using a "SuperWhite" color, it is forbidden to apply other colors over it.