

TIGITAL® Single Pass Graphic Arts Ink – Series 135/4.3

Properties

Density	25 °C	1,01 – 1,10 g/cm ³
Viscosity	50 °C	8 – 15 mPa s
Surface tension	25°C	24-33 mN/m
Curing Methode	UV-Mercury Lamp (White Pinning with UV-LED)	

Colours

- 135/41103 - white
- 135/41203 - yellow
- 135/41303 - magenta
- 135/41803 - black

Shelf life

9 months for storage between 10 and 35°C.

Package sizes

- 1 l HDPE Bottle (black)
- 5 l HDPE Canister (black)
- 20 l HDPE Canister (black)
- 1000 l HDPE IBC (white)

Applications

The TIGITAL Single Pass inks Series 135/4.3 are developed to perform best in Xaar 1003 / 2001 based Single Pass Inkjet Systems.

The Single Pass Graphic Arts Ink show very good wetting properties on different substrates like pretreated PP, PE, PET and coated paper and can be used for various applications, including label printing. The inks show good suitability in wet lamination. Final suitability to the specific lamination process depends on the kind of substrate and the lamination process and needs therefore to be confirmed.

Printing and Curing Conditions

The inks can be processed up to 50 °C.

The inks are UV curable, optimized for iron-doped lamps and require approx.300 mJ/cm² curing energy.

Compatibility of materials

Compatible materials:

- PP
- PE(HD+LD)
- Stainless steel
- EPDM rubber
- PTFE etc.

Incompatible materials:

- PVC
- Butyl Kautschuk
- Messing
- Viton®
- Nitrilkunststoffe
- Polyurethan-Gummi
- Neopren

Recommended cleaning and flushing fluid

TIGER Flush 151/00001

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