

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

Properties

Density	25 °C	1,01 – 1,10 g/cm³
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

Disclaimer

Our verbal and written recommendations for the use of our products are based upon experience to the best of our knowledge in accordance with present technological standards. These are given in order to support the buyer or user. They are non-binding and do not constitute any contractual legal relationship or additional obligation from the purchase agreement. They do not re-lease the purchaser from verifying the suitability of our products for the intended application at his own responsibility. We warrant that our products are free of flaws and defects to the extent as stipulated in our Terms of Delivery and Payment.

As part of our duty to inform, we modify our product information periodically according to technical progress. Therefore the most recent valid version of this information is applicable and is available at any time from the Download area at www.tiger-coatings.com. TIGER Coatings GmbH & Co. KG reserves the right to make changes to the product data sheet without written notification.

This Product Data Sheet substitutes any and all previous Product Data Sheets and notes for customers published on this subject matter and is only intended to give a general product overview. When using a product not included in our standard product line according to the standard product list (last valid version), the corresponding Product Data Sheet must be requested.

Our technical notes and the general Terms of Delivery and Payment, the most recent version of which you can call up

at any time at www.tiger-coatings.com in the download area, are an integral component of this data sheet.

certified according to
EN ISO 9001 / 14001



TIGER Coatings GmbH & Co. KG
Negrellistraße 36 | 4600 Wels | Austria

T +43 / (0)7242 / 400-0
F +43 / (0)7242 / 650 08

E tigital@tiger-coatings.com W www.tiger-coatings.com