



TIGITAL® Water-based Flexible Ink – Single-Pass Series 147/3.0

Properties

Viscosity	35 °C	2,5 – 3,5 mPas
Thixotropy		0.0 – 0.1 D/cm ²
Surface tension	25 °C	24 – 28 dyn/cm
Drying method	Warming (infrared, hot air)	

Colors

- 147/30200 - Yellow;
- 147/30300 - Magenta
- 147/30400 - Cyan
- 147/30800 - Black

Shelf life

6 months when stored between 10 and 35 °C

Package sizes

- 1 l PE bottles (black)
- 5 l PE cubitainer
- 20 l PE canister

Recommended cleaning and flushing fluid

TIGER Flush 151/00006

Applications

Water-based Flexible inks for single-pass printing are designed for low-migration applications on absorbent and non-absorbing substrates such as food packaging.

All ink components are specified in Annex 10, list A or B of the Swiss Ordinance 817.023.21 on materials and articles intended to come into contact with foodstuffs with or without specific migration limits. If TIGITAL Flexible inks to be used on food packaging materials for indirect food contact, the packaging materials manufacturer is responsible for validation of the printing process on packaging material for selected printing and drying conditions and intended use.

The print layers are characterized by good adhesion to various non-absorbing substrates as well as good mechanical and chemical stability.

Printing and curing conditions

TIGITAL Water-based Flexible inks are designed to be printed with the industrial drop on demand printheads demanding inks with low viscosity at printing temperature. The typical ink jetting temperature varies between 25°C and 33°C.

After printing, the inks must be dried immediately applying infrared radiation and/or hot air.

Compatibility of materials

Compatible materials:

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

Incompatible materials:

- Any materials incompatible with water

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 release 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, please visit the download area of www.tiger-coatings.com to make sure you have the most current version of this Product Data Sheet. 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. Please request specific information for products outside of our standard product list (latest version).

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
IATF 16949



TIGER Coatings GmbH & Co. KG
Negrellistrasse 36, 4600 Wels, Austria
T +43 / (0)7242 / 400-0
E tigital@tigital.com
W www.tiger-coatings.com