

TIGITAL® water-based Paperboard Ink – Single Pass Series 147/2.2

Properties

Density	25 °C	1,01 – 1,10 g/cm ³
Viscosity	35 °C	4,5-5,5 mPa s
Surface tension	25 °C	25-30 mN/m
Conductivity	25 °C	< 2500 µS/cm
Drying Procedure	Thermal (IR, Convection)	

Colours

- Series 147/20202 Yellow (Pigment Yellow 155)
- Series 147/20302 Magenta (Pigment Red 122)
- Series 147/20402 Cyan (Pigment Blue 15:3)
- Series 147/20802 Black (Pigment Black 7)

Shelf life

6 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 water-based Paperboard Inks are developed to run in industrial single pass processes at high printing speeds up to 300 m/min with piezo drop-on-demand print heads.

Paperboard inks show very good wetting properties on absorbing substrates and can be used, among others, for non-direct food packaging applications, décor applications, etc.

Paperboard inks have shown good suitability in wet lamination and solid overlay processes. Final suitability to the specific lamination process depends on the substrates and lamination conditions and needs therefore to be confirmed.

Printing and Curing Conditions

The inks can be processed up to 40 °C, depending on the chosen type of printhead.

A thermal drying of the ink by IR-radiation or/and hot air is required right after the printing.

Compatibility of materials

Compatible materials:

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

Incompatible materials:

- all materials that are not compatible with water

Recommended cleaning and flushing fluid

TIGER Flush 151/00004
TIGER Flush 151/00009 (nozzle-plate wiping solution)

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