

# Technical Data Sheet

## Dokumental® PF 61xx.1 Highlighter Inks

### Pigmented Highlighter Inks

#### General Information

The pigmented highlighter inks of Dokumental® PF 61xx series feature long-lasting fluorescence. The inks combine the brightness and fluorescence of dye-based inks with the light-fastness and water-resistance of pigmented inks. In combination with adjusted nibs the inks are inkjet-safe.

#### Suitable Surfaces

All kinds of paper

#### Applicable Standards & Regulations

Unless expressly agreed, no warranty is given that all standards & regulations relevant to the Customer's intended use have been and will be complied with. To the extent that compliance with certain standards & regulations is warranted, this warranty shall only apply at the time the underlying contract is entered into. There is no guarantee that the products will continue to comply with the standards & regulations in the event of future changes. Dokumental also assumes no obligation to inform the Customer of any changes to such standards & regulations that may be relevant to the Customer.

#### Physical Data

Type	Colour	Viscosity at 20°C mPa s	Surface tension mN/m	pH-Value	Density at 20°C g/cm <sup>3</sup> ± 0.02
Dokumental® PF 6100.1	yellow	5.0 ± 1.0	30.0 ± 2.0	7.0 ± 0.5	1.05
Dokumental® PF 6103.1	yellow	4.7 ± 0.5	34.0 - 39.0	10.5 ± 1.0	1.14
Dokumental® PF 6110.1	light green	5.0 ± 1.0	30.0 ± 2.0	7.0 ± 0.5	1.05
Dokumental® PF 6111.1	green	5.0 ± 1.0	30.0 ± 2.0	7.0 ± 0.5	1.05
Dokumental® PF 6120.1	orange	5.0 ± 1.0	35.0 ± 2.0	7.0 ± 0.5	1.05
Dokumental® PF 6143.1	pink	5.0 ± 1.0	35.0 ± 2.0	7.0 ± 0.5	1.06
Dokumental® PF 6153.1	blue	3.0 ± 1.0	35.0 ± 2.0	8.0 ± 1.0	1.06
Dokumental® PF 6163.1	red	5.0 ± 1.0	35.0 ± 2.0	7.0 ± 0.5	1.06
Dokumental® PF 6173.1	violet	2.5 ± 0.5	35.0 ± 2.0	7.0 ± 0.5	1.05

#### Technical Advice

##### Suitable Components:

Nibs: polyester fibre nibs, selected sintered polyethylene nibs. InkJet safe nylon nibs should be used only after extended storage tests

Reservoirs: polyester

Barrels, Caps, Plugs: polypropylene, ABS, polyethylene.

Free-Ink System: The inks should be tested in advance on compatibility with the free-ink components in question.

It is mandatory to approve the compatibility of the ink and the components as well as the performance of the writing system in advance. Cap and plug must close tightly.

Before use of our product the filling station has to be maintained and cleaned carefully. The inks are sensitive to any kind of contamination (e.g. chemical or microbial contaminations). Cross-contamination of the inks may lead to a colour mismatch or will even lead to a defective marker or shorter shelf life.

The inks contain biocides to prevent microbial growth, but for best protection we additionally recommend to ensure best hygienic conditions in production areas as well as cleanliness of all marker components.

#### Storage, Handling & Transportation

Store our product frost protected and avoid direct sunlight. Recommended storage temperature for the product is between 10°C and 30°C. Storage temperatures above 30°C for several days bear the risk of a reduced shelf life of the ink. The shelf life of the inks in original sealed containers is two years. Make sure that the drums are closed tightly after they were opened.

#### Packaging

20 kg plastic drum  
 200 kg plastic drum  
 1,000 kg IBC

#### Produced by

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