

Glitter Fibre Pen Inks for Fibre Reservoir Markers

General Information

Our Glitter Fibre Pen Inks are available with Gold and Silver glitter effect. The inks are water-based and formulated without micro-plastic. The inks are also formulated to be in accordance EU toy directive 2009/48/EC. The inks are suitable for reservoir systems with special low density reservoirs and nibs (see Technical Advice).

Suitable Surfaces

All kinds of porous 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 ± 1.0	Surface tension mN/m ± 3.0	pH-Value ± 0.5	Density at 20°C g/cm ³ ± 0.03
Dokumental® GF 300.1 GTS	Blue Gold	3.1	43	8.5	1.09
Dokumental® GF 301.1 GTS	Dark Blue Gold	3.1	43	8.5	1.09
Dokumental® GF 302.1 GTS	Light Blue Gold	3.0	48	8.5	1.09
Dokumental® GF 310.1 GTS	Black Gold	3.6	48	8.5	1.09
Dokumental® GF 320.1 GTS	Red Gold	3.2	48	8.5	1.09
Dokumental® GF 330.1 GTS	Green Gold	3.2	48	8.5	1.09
Dokumental® GF 331.1 GTS	Lime Gold	3.2	48	8.5	1.09
Dokumental® GF 340.1 GTS	Violet Gold	3.2	48	8.5	1.09
Dokumental® GF 360.1 GTS	Orange Gold	3.1	48	8.5	1.09
Dokumental® GF 365.1 GTS	Yellow Gold	3.3	48	8.5	1.09
Dokumental® GF 370.1 GTS	Pink Gold	3.1	48	8.5	1.09
Dokumental® GF 375.1 GTS	Magenta Gold	3.2	48	8.5	1.09
Dokumental® GF 380.1 GTS	Grey Gold	3.0	48	8.5	1.09
Dokumental® GF 400.1 STS	Blue Silver	3.3	43	8.5	1.11
Dokumental® GF 401.1 STS	Dark Blue Silver	3.3	43	8.5	1.11
Dokumental® GF 402.1 STS	Light Blue Silver	3.2	48	8.5	1.11
Dokumental® GF 410.1 STS	Black Silver	3.8	48	8.5	1.11
Dokumental® GF 420.1 STS	Red Silver	3.4	48	8.5	1.11
Dokumental® GF 430.1 STS	Green Silver	3.4	48	8.5	1.11
Dokumental® GF 431.1 STS	Lime Silver	3.4	48	8.5	1.11
Dokumental® GF 440.1 STS	Violet Silver	3.4	48	8.5	1.11
Dokumental® GF 460.1 STS	Orange Silver	3.3	48	8.5	1.11
Dokumental® GF 465.1 STS	Yellow Silver	3.5	48	8.5	1.11
Dokumental® GF 470.1 STS	Pink Silver	3.3	48	8.5	1.09
Dokumental® GF 475.1 STS	Magenta Silver	3.4	48	8.5	1.09
Dokumental® GF 480.1 STS	Grey Silver	3.2	48	8.5	1.11

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Technical Advice

Suitable Components:

Bullet Nibs: Teibow Acrylic Fiber Nib GP447C-SY
Brush Nibs: Teibow EX-NRFC-240HNAK-2

For other optimized nibs please also contact nib producer for further information

Fibre Reservoir:

Gold and Silver Line: De Martini CPES3671 (Polyester)
Gold Line: Porex XPE441998

Barrel, Caps, Plugs: Polypropylen, Polyethylene

It is mandatory to approve suitability and compatibility of the inks and the components as well as the performance of the writing system.

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 contamination). Cross-contamination of the inks lead to a colour mismatch or will even lead to a defective marker of 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. The recommended storage temperature is between 10 °C and 30 °C. Storage temperature of above 30 °C for several days bear the risk of a reduced shelf life of the inks.

Shelf life of the inks is 1 year (preliminary fixing).

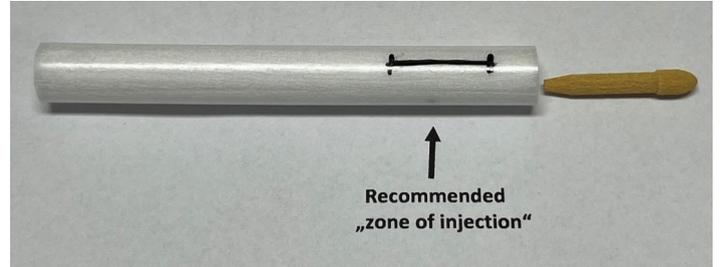
Storage of the markers: Nib up storage will reduce the glitter effect. Markers should be stored either horizontally or nib down. Basically nib down storage ensures the best glitter effect. But customer must make sure that nib down storage will not lead to nib blockage in the long term.

Processing instructions:

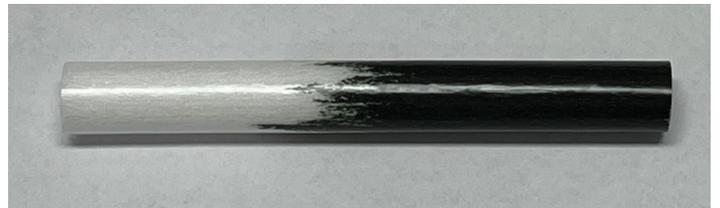
The glitter pigments quickly settle in the inks. The pigment can be redispersed easily. The inks must be stirred for about 5 to 10 minutes using a propeller stirrer at ambient speed (foam formation should be avoided). After this all pigment should be redispersed in the ink. Check that no more pigment is settled at the bottom of the drum before starting the use of the ink (filling process).

The inks must be stirred as well during filling process, because the pigments settle quickly. Make sure that glitter pigments do not settle inside the filling station (hoses, pumps, etc.).

Injection should be done close to the nib end of the reservoir:



After injection ink and pigment should be located at the nib side of the reservoir. The nib end of the reservoir must be well wetted with ink.



After ink injection and inserting the nib, the marker must be kept nib down for at least 1 hour.

The freshly filled markers may show a low glitter effect. In this case it is necessary to write the markers for a few meters to let the glitter pigment flow into the nib. The preferred storage direction of the markers is nib down to ensure a good glitter effect upon starting

Packaging

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

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