

Low Viscosity Ball Pen Inks for Smooth Writing

General Information

All Docufluidal® inks are anti-gooing and anti-leaking adjusted. This ball pen ink of series Docufluidal® is formulated with a significantly decreased viscosity. In comparison to standard ink types the following properties are clearly improved:

- smoother writing behaviour
- better starting characteristic
- higher ink lay down
- higher writing intensity

Suitable Surfaces

All kinds of paper

Applicable Standards & Regulations on Request

Physical Data

Type	Colour	ISO 12757 conformance	TF	Viscosity at 20°C mPa s ± 500	Surface tension mN/m	pH-Value
Docufluidal® BP 134	violet blue	Part I	yes	8,500	> 35	4.3 - 6.3
Docufluidal® BP 159 N	black	Part II	no	8,500	> 36	4.5 - 6.5
Docufluidal® BP 181	dark blue	Part II	no	8,500	> 34	4.6 - 6.6
Docufluidal® BP 183	green	Part II	no	8,500	> 34	5.5 - 7.0
Docufluidal® BP 187	black	Part II	no	8,500	> 36	7.5 - 9.5
Docufluidal® BP 191	blue	Part II	no	8,500	> 36	5.5 - 7.5
Docufluidal® BP 242	red	Part I	no	8,500	> 36	4.0 - 6.0
Docufluidal® BP 243	ruby red	Part I	yes	8,500	> 36	7.5 - 8.5
Docufluidal® BP 246	red	Part I	yes	8,500	> 36	4.0 - 6.0

ISO 12757: Ball point pens and refills - Part I: General use, Part II: Documentary use, TF: Transparent Flux (clear drain in suitable refills)

Technical Advice

Suitable Components:

All ball pen inks are suitable for plastic and metal refills.

For capillary refills, the use of ink follower Dokumental® IF 4312 colourless will increase the shelf life and will improve clear drain property. For jumbo refills, the use of ink follower Dokumental® IF 4310 white or IF 4311 white is mandatory in order to prevent back-leakage. For further information about our ink followers see the Dokumental® IF 43xx technical data sheet.

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

Storage, Handling & Transportation

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

Store our product frost protected and avoid direct sunlight. The recommended storage temperature is between 10°C and 30°C. Storage temperatures of above 30°C for several days bear the risk of a reduced shelf life of the ink.

After usage the drums have to be closed again tightly. Horizontal storage of the refills is recommended in order to get the maximum shelf life.

The shelf life of the inks in original sealed containers is 4 years.

Packaging

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

Produced by

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