

Technical Data Sheet

Docufluidal® BP 5xx Ball Pen Inks

Low Viscosity Ball Pen Inks

General Information

Our Docufluidal® BP 5xx series shows an extremely smooth writing behaviour with specially adjusted tips. The inks show a minimized static leaking and are also compatible with selected standard tips.

Suitable Surfaces

All kind of papers

Applicable Standards & Regulations on Request

Physical Data

Type	Colour	Lightfastness (ISO 12757)	TF	Viscosity at 20°C mPa s ± 500	Surface tension mN/m	pH-Value ± 1.0
Docufluidal® BP 500	violet blue	Part I	no	4,000	>35	4.0 - 6.0
Docufluidal® BP 510	black	Part II	no	4,000	>35	5.5 - 7.5
Docufluidal® BP 520	red	Part I	yes	4,000	>35	7.0 - 9.0
Docufluidal® BP 521	scarlet red	Part I	no	4,000	>34	4.1 - 6.1
Docufluidal® BP 522	ruby red	Part I	yes	4,000	>34	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

20 kg plastic drum

200 kg plastic drum

1,000 kg IBC

Produced by

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