

Technical Data Sheet

Dokumental® Prime Ball Pen Inks

Premium ball pen inks

General Information

Dokumental® Prime is a premium series of ball pen inks. Most of the inks exceed the specifications of ISO 12757-2 and the writings are therefore readable for years or even decades. In combination with the very intense colours and the excellent writing experience these inks are the number one choice for high end writing.

Physical Data

Type	Colour	Lightfastness (ISO 12757)	TF	Viscosity at 20°C mPa s ± 1,000	Surface tension mN/m	pH-Value
Dokumental® 0241.1 PG3	black	Part II	no	16,000	> 35	4.3 - 6.3
Dokumental® 303/121 B	red	Part II	no	18,500	> 37	7.3 - 9.3
Dokumental® 303/401 B	dark blue	Part II	no	18,500	> 33	4.5 - 6.5
Dokumental® M 404 PG3	green	Part II	no	16,000	> 36	5.5 - 7.0
Dokumental® TF 0231 G3	black	Part II	yes	16,000	> 37	5.5 - 6.5
Dokumental® TF 807 G3	green	Part II	yes	16,000	> 36	4.3 - 6.3

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.

Suitable Surfaces

All kind of papers

Applicable Standards & Regulations on Request

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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