

# Technical Data Sheet

## Dokumental® Special Colours Ball Pen Inks

### Ball Pen Inks in Fancy Colours

#### General Information

The ball pen inks of Dokumental® Special Colours series combine the reliability and safety you expect from Dokumental® with a variety of fancy side colours.

#### Suitable Surfaces

All kind of papers

#### Applicable Standards & Regulations on Request

#### Physical Data

| Type                    | Colour       | Lightfastness<br>(ISO 12757) | TF  | Viscosity at 20°C<br>mPa s<br>± 1,000 | Surface tension<br>mN/m | pH-Value  |
|-------------------------|--------------|------------------------------|-----|---------------------------------------|-------------------------|-----------|
| Dokumental® 0504 PG3    | gold         | Part II                      | no  | 16,000                                | > 36                    | 6.0 - 8.0 |
| Dokumental® 068 PG3     | orange       | Part I                       | no  | 16,000                                | > 36                    | 8.0 - 9.0 |
| Dokumental® 0604 PG3    | yellow green | Part I                       | no  | 16,000                                | > 36                    | 5.5 - 7.5 |
| Dokumental® 0612 PG3    | burgundy     | Part I                       | no  | 21,000                                | > 36                    | 4.2 - 6.2 |
| Dokumental® 0614 PG3    | pink         | Part I                       | no  | 16,000                                | > 36                    | 5.5 - 7.0 |
| Dokumental® 0620 PG3    | night blue   | Part II                      | no  | 18,500                                | > 36                    | 5.5 - 7.0 |
| Dokumental® 2070 PG3    | red violet   | Part I                       | no  | 16,000                                | > 36                    | 5.5 - 7.0 |
| Dokumental® 2205 PG3    | light blue   | Part II                      | no  | 16,000                                | > 36                    | 6.0 - 7.0 |
| Dokumental® Lilac       | lilac        | Part I                       | yes | 18,500                                | > 35                    | 4.0 - 6.0 |
| Dokumental® Red Brown B | red brown    | Part II                      | no  | 18,500                                | > 36                    | 5.5 - 7.5 |
| Dokumental® Turquoise   | turquoise    | Part II                      | no  | 18,500                                | > 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.

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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