

# Technical Data Sheet

## Dokumental® TS 47xx T-Shirt Marker Inks

### Water Based, Washable T-Shirt Marker Inks

#### General Information

The inks of Dokumental® TS 47xx series are water based and are removable from most fabrics at 60°C laundry temperature. All colours can be mixed in any ratio in order to generate new, individual colours.

#### Suitable Surfaces

Textiles

#### Applicable Standards & Regulations on Request

#### Physical Data

Type	Colour	Viscosity at 20°C mPa s ± 1.0	Surface tension mN/m	Density at 20°C g/cm <sup>3</sup> ± 0.01	pH-Value ± 1.0
Dokumental® TS 4702 A	blue	4.2	> 49.7	1.04	5.0
Dokumental® TS 4703 A	dark blue	4.2	> 48.4	1.04	5.0
Dokumental® TS 4711 A	black	6.1	> 48.7	1.04	5.3
Dokumental® TS 4721 A	red	4.9	> 58.5	1.04	5.1
Dokumental® TS 4732 A	green	4.6	> 53.2	1.04	5.6
Dokumental® TS 4733 A	light green	5.1	> 53.7	1.04	5.1
Dokumental® TS 4742 A	aubergine	4.9	> 54.2	1.04	5.6
Dokumental® TS 4743 A	violet	4.2	> 48.3	1.04	5.6
Dokumental® TS 4752 A	brown	5.3	> 50.0	1.04	5.3
Dokumental® TS 4753 A	light brown	5.0	> 50.0	1.04	5.5
Dokumental® TS 4762 A	yellow	5.1	> 51.4	1.04	5.3
Dokumental® TS 4763 A	orange	5.0	> 43.7	1.04	5.1
Dokumental® TS 4771 A	pink	4.7	> 53.4	1.04	5.8
Dokumental® TS 4772 A	rose	4.6	> 49.4	1.04	7.0
Dokumental® TS 4781 A	turquoise	5.5	> 51.4	1.04	5.9

#### Suitable Components

Do not use polystyrene, ABS or polyamide!

Nibs: polyester, acrylic, polyamide(Nylon)

Barrels, Caps and Plugs: PVC, butadiene-styrene, polypropylene

Reservoir: polyester, polypropylene, cellulose acetate

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.

The shelf-life of the inks is 2 years in original sealed containers.

#### Packaging

standard packaging: 20kg plastic canister (further packaging units on request).

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