

Permanent Overhead Projection Inks

General Information

The inks of Dokumental® OP 69xx series are ideal for usage on overhead projection foils. They dry quickly and are resistant to water.

Suitable Surfaces

For all kind of OHP foils

Certificates / Approvals / Regulations

ISO 12757-2: Ball point pens and refills - Part 2: Documentary use (DOC)

ASTM D-4236: ¹ the marked inks are ASTM D-4236 approved. The finished markers need separate ASTM D-4236 approval

ISO 9001

Physical Data

| Type | Colour | Viscosity at 20°C mPa s ± 0.5 | Lightfastness on PVC-foil* | Lightfastness on glossy paper* |
|------------------------------------|--------------|-------------------------------|----------------------------|--------------------------------|
| Dokumental® OP 6900 ¹ | blue | 3.5 | yes | yes |
| Dokumental® OP 6911 ¹ | black | 6.2 | yes | yes |
| Dokumental® OP 6920 ¹ | red | 3.0 | no | no |
| Dokumental® OP 6930 | green | 4.0 | yes | yes |
| Dokumental® OP 6931 | yellow green | 2.8 | no | no |
| Dokumental® OP 6940.1 ¹ | violet | 4.8 | yes | yes |
| Dokumental® OP 6950.1 | brown | 5.4 | yes | yes |
| Dokumental® OP 6960 ¹ | yellow | 2.0 | yes | yes |
| Dokumental® OP 6961.1 | orange | 1.9 | yes | yes |
| Dokumental® OP 6970 ¹ | magenta | 2.0 | no | no |
| Dokumental® OP 6971 ¹ | pink | 1.7 | no | no |

surface tension 25.0 ± 2.0 mN/m; density at 20°C 0.86 ± 0.02 g/cm³ * according to ball point pen norm ISO 12757 part II; ¹ASTM D-4236 approved.

Suitable Components

The chosen marker components should be tested thoroughly. More detailed information is available on request.

Incompatible with polystyrene, ABS and polyamide (NYLON)!

Nibs: polyester, acrylic, extruded materials

Barrels: polypropylene, rigid PVC, pure aluminum

Caps and Plugs: polypropylene, polyethylene

Reservoir: polyester

Storage, Handling & Transportation

Optimal storage temperature is between 0°C and 30°C. Storage temperatures above 30°C can result in reduced shelf-life of the bulk inks. The short term temperature stress during transportation should not exceed 40°C for a maximum of several days. Drums should be closed tightly during storage.

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

CAUTION: the inks are classified as flammable liquids!

For detailed safety information refer to the respective Material Safety Data Sheets.

Packaging

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

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