

AEROSIL®-Dispersion

HL0021

HL0074

HL0410

HL0417

- AEROSIL®-Dispersion in solvent
- Solid material: pyrogenic silica dioxide, content checked acc. to Degussa-AEROSIL®-process
- Used in printing ink industry, for coatings and laquers as well as for the refinement of metallic foils and special papers

Technical / Physical Data

	HL0021	HL0074	HL0410	HL0417
AEROSIL®-Types	200	300	200	200
Solvent-base	Ethanol	Ethanol	Acetone	Ethanol
AEROSIL®-content (= solid content)	16% +/- 1	17% +/- 1	10% +/- 1	17% +/- 1
Original viscosity DIN 53211*	20 to 30 Sec. 4 mm cup	15 to 25 Sec. 4 mm cup	15 to 25 Sec. 4 mm cup	20 to 24 Sec. 4 mm cup
Density calculated	0,88 +/- 0,05	0,88 +/- 0,05	0,84 +/- 0,05	0,88 +/- 0,05
Primary particle size of AEROSIL®	15 to 40 nm	15 to 40 nm	15 to 40 nm	15 to 40 nm

Storability

Approx. 12 month in original packings at an ambient temperature of 5 to 25 °C, in case the original packings are tightly closed. Opened packing must be used very shortly. The minimum storage stability of each batch is mentioned on the product label. A storage time beyond the mentioned date doesn't necessarily mean that the material is unusable. In this case a check of the qualities which are important for the respective

Processing and application**Application**

With AEROSIL®-Dispersions effects can be achieved as follows:

- Retardation of settlement of printing inks and coatings
- Reduction of the surface sticking (anti blocking effect) of coated foils and papers
- Improvement of the printing ability and decrease of sticking of print inks
- Achievement of "satin-like" appearance of coatings

In addition AEROSIL®-dispersions can be used when ever AEROSIL® in powder-shape is not useful due to inefficient ability to disperse.

AEROSIL®-solvent-dispersions can easily be added into the respective media by normal stirrer or mixer. The very high degree of dispersion ensures an equal range of the high disperse AEROSIL®-types in the respective products.

Cleaning of working equipment

EFD-Thinner 400500

Advise for safety protection and protection of health

The usual precautionary measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.

Special remarks**Test condition**

*Indication of the delivery viscosity according to DIN 53211:

DIN 53211 was withdrawn in October 1996. On request the value is available according to DIN EN ISO 2431.

All information is based on a standard climate 20/65 DIN 50014.

All information are based on our product knowledge and experience. To the application we have no direct influence. For further information please don't hesitate to contact us.

The information mentioned herein are reference values and are not given as specification.

AEROSIL® is a registered trademark of Degussa AG