

Technical data sheet

ALBERDINGK® PUR-MATT 310

Characteristic:

Matt, aliphatic softfeel polyurethane dispersion.

Specification:

Solids content % 39.0 - 42.0

pH- value 7.0 - 9.0

Viscosity mPas 300 - 1300

According to:

ISO 3251

0.5 g weighed quantity at 105°C

ISO 976

ISO 2555, Brookfield RVT Spindle 5/rpm 100/factor 40 dispersion is shear thinning!

Further typical data*:

Viscosity mPas 500 - 2000

According to:

ISO 2555, Brookfield LVT Spindle 64(4)/rpm 60/factor 100

dispersion is shear thinning!

MFFT °C ca. 10

Gloss 60° ° ca. 12

EN ISO 2813

50µm drawdown on glass

Density at 20°C g/cm³ 1.0 - 1.1

ISO 2811-1

Solvent-free

Film properties*:

Ultimate tensile strength N/mm² ca. 40

Elongation at break % ca. 750

E-Modulus N/mm² ca. 3.0

According to:

ISO 527-1

ISO 527-1

ISO 527-1

Applications:

Inherent matt polyurethane dispersion which can be used as a coating for e.g. plastics or in overprint varnishes.

Technical data sheet

ALBERDINGK® PUR-MATT 310

Storage:

In originally closed containers ALBERDINGK-dispersions are stable when stored at 20°C for 6 months after delivery date. The recommended temperature-range for storage is 5 - 30°C. Freezing or storage at higher temperatures than 30°C, can affect the viscosity or the average particle size and finally lead to a sedimentation or coagulation. A contamination with bacteria, fungi or algae can damage the product irreversibly. The product is only preserved for the transport. For a longer storage time, we recommend to add additional preservative. A warranty for the sterility after storage can not be granted. ALBERDINGK BOLEY GmbH assures that the data mentioned under "specification" are stable for 6 months after delivery date, if the product is stored under the recommended conditions. A longer storage does not mean that the product is not usable anymore, but we recommend to check the specification data before use. A warranty after 6 months of storage can not be given by ALBERDINGK BOLEY GmbH. The product should be stirred well before use.

Packaging:

plastic drums (120 kg)
one-way container (approx. 1000 kg)
as bulk in tank cars, by agreement.

Safety:

For further information on product safety please refer to the current safety data sheet.

Further information:

The product tends to form sedimentation, so it has to be stirred very well before use.

Notice:

* General information - the values can not be considered as part of the product specification.