

# Technical Data Sheet

## ALBERDINGK® PUR MATT 310

### Characteristic:

Matt, aliphatic soft-feel polyurethane dispersion.

### Specification:

Solids content	%	41.0 - 43.0
pH- value		7.0 - 9.0
Viscosity	mPas	200 - 4000

### According to:

DIN EN ISO 3251  
0.5 g weighed quantity at 105°  
C

DIN ISO 976

ISO 2555, Brookfield RVT  
Spindle 5/rpm 100/factor 40

### Further typical data\*:

MFFT	°C	ca. 10
Density at 20°C	g/cm <sup>3</sup>	1.0 - 1.1
Solvent-free		

### According to:

DIN EN ISO 2811-1

### Film properties\*:

Ultimate tensile strength	N/mm <sup>2</sup>	ca. 16	DIN 53455
Elongation at break	%	ca. 750	DIN 53455
E-Modulus	N/mm <sup>2</sup>	ca. 3.0	DIN 53455

### Properties:

- matt film surface with soft-feel haptics
- very good chemical and hydrolysis resistances
- high optical transparency on dark substrates
- Overprint varnishes based on PUR MATT 310 enhance the color of the print underneath
- flexible film with very high coefficient of friction (anti-slip properties)
- suitable for 1-pack and 2-pack applications
- dispersion is shear thinning!

### Applications:

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

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**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.

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 cannot 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 actual material safety data sheet.

**Further information:**

Before using please stir the product well.

**Notice:**

\* General information - the values cannot be considered as part of the product specification.