

Technical Data Sheet

ALBERDINGK® PUR MATT 310

Characteristic:

Matt, aliphatic soft-feel polyurethane dispersion.

Specification: Solids content %	⁄ 6	41.0 - 43.0	According to: DIN EN ISO 3251 0.5 g weighed quantity at 105° C
pH- value Viscosity m	nPas	7.0 - 9.0 200 - 4000	DIN ISO 976 ISO 2555, Brookfield RVT Spindle 5/rpm 100/factor 40
Further typical data*:			According to:
MFFT	C	ca. 10	
•	ı/cm3	1.0 - 1.1	DIN EN ISO 2811-1
Solvent-free			
Film properties*:			
Ultimate tensile strength N	N/mm2	ca. 16	DIN 53455
Elongation at break %	6	ca. 750	DIN 53455
E-Modulus N	l/mm2	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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Alberdingk Boley, Inc. | Greensboro, NC, USA | www.alberdingkusa.com Alberdingk Resins (Shenzhen) Co.Ltd. | Shenzhen City, P.R. China | www.alberdingkchina.com

The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. A lawful binding assurance of certain attributes or the suitability for a concrete operation purpose cannot be derived from thisinformation. Industrial property rights are to be considered if required.



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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.

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