

Technical data sheet

ALBERDINGK® PUR-MATT 310

Characteristic:

Matt, aliphatic softfeel polyurethane dispersion.

Specification: Solids content	%	39.0 - 42.0	According to: ISO 3251 0.5 g weighed quantity at 105°C
pH- value Viscosity	mPas	7.0 - 9.0 300 - 1300	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°	0	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*:	N./	40	According to:
Ultimate tensile strength	N/mm2	ca. 40	ISO 527-1
Elongation at break E-Modulus	% N/mm2	ca. 750 ca. 3.0	ISO 527-1 ISO 527-1
L-Moudius	11/1111112	ca. 3.0	130 32/-1

Applications:

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

Latest update 14.02.2024

Alberdingk Boley GmbH | Düsseldorfer Str. 53 | 47829 Krefeld | Germany
Phone +49 2151 528-0 | Fax +49 2151 573643 | info@alberdingk-boley.de | www.alberdingk-boley.de

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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. 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.

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