

# Technical data sheet

# ALBERDINGK® U 502

### **Characteristic:**

Aqueous, anionic dispersion of an aliphatic polyether-polyurethane without solvents and free isocyanate groups.

<b>Specification:</b> Solids content	%	39.0 - 41.0	According to: ISO 3251 0.5 g weighed quantity at 105°C
pH- value		7.0 - 8.0	ISO 976
Viscosity	mPas	10 - 800	ISO 2555, Brookfield RVT Spindle 2/rpm 20/factor 20
Further typical data*:			According to:
MFFT	°C	ca. 0	
Density	g/cm3	1.0 - 1.1	ISO 2811-1
Solvent-free			
Film properties*:			According to:
Pendulum hardness (König)	S	ca. 35	ISO 1522
E-Modulus	N/mm2	ca. 10.5	ISO 527-1
Ultimate tensile strength	N/mm2	ca. 44	ISO 527-1
Elongation at break	%	ca. 650	ISO 527-1

## **Applications:**

High quality textile coatings and impregnation as well as for leather finishing.

 Latest update
 Alberdingk Boley GmbH | Düsseldorfer Str. 53 | 47829 Krefeld | Germany

 23.04.2021
 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 this information. Industrial property rights are to be considered if required.



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## ALBERDINGK® U 502

### 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 10 - 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.

### Notice:

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

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