

# Technical data sheet

# ALBERDINGK® U 5201

## **Characteristic:**

Aqueous, solvent-free, anionic, low viscous dispersion of an aliphatic polyester-polyurethane without free isocyanate groups.

Specification:			According to:
Solids content	%	39.0 - 41.0	ISO 3251
			0.5 g weighed quantity at 105°C
pH- value		7.0 - 8.5	ISO 976
Viscosity	mPas	20 - 300	ISO 2555, Brookfield RVT
			Spindle 1/rpm 20/factor 5
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:
Blocking point	°C	ca. 110	
Pendulum hardness (König)	S	ca. 30	ISO 1522
E-Modulus	N/mm2	ca. 8	ISO 527-1
Ultimate tensile strength	N/mm2	ca. 55	ISO 527-1
Elongation at break	%	ca. 600	ISO 527-1

## **Applications:**

High quality coatings for the leather and textile industry. The film has a very good resistance against water storage.

Latest update	Alberdingk Boley GmbH   Düsseldorfer Str. 53   47829 Krefeld   Germany			
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Page 1 of 2	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.

### Notice:

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

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