

Technical data sheet

ALBERDINGK® U 5200

Characteristic:

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

Specification:

Solids content	%	38.0 - 40.0
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According to:

ISO 3251
0.5 g weighed quantity at 105°C

pH- value		7.5 - 8.5
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ISO 976

Viscosity	mPas	20 - 500
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ISO 2555, Brookfield RVT
Spindle 1/rpm 20/factor 5

Further typical data*:

MFFT	°C	ca. 2
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According to:

Density	g/cm ³	1.0 - 1.1
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ISO 2811-1

Solvent-free

Film properties*:

Blocking point	°C	ca. 130
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According to:

Pendulum hardness (König)	s	ca. 40
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ISO 1522

E-Modulus	N/mm ²	ca. 10
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ISO 527-1

Ultimate tensile strength	N/mm ²	ca. 52
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ISO 527-1

Elongation at break	%	ca. 450
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ISO 527-1

Applications:

High quality plastic- and metal coatings, paper- and wood coatings. Excellent suitable for the leather- and textile- industry. The film has a very good resistance against water-storage.

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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:

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