

Technical data sheet

ALBERDINGK® U 4101

Characteristic:

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

| Specification: Solids content | % | 39.0 - 41.0 | According to: ISO 3251 0.5 g weighed quantity at 105°C |
|--------------------------------------|-------|-------------|---|
| pH- value | | 7.0 - 8.5 | ISO 976 |
| Viscosity | mPas | 50 - 750 | 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: |
| Ultimate tensile strength | N/mm2 | ca. 20 | ISO 527-1 |
| E-Modulus | N/mm2 | ca. 3 | ISO 527-1 |
| Elongation at break | % | ca. 1400 | ISO 527-1 |

Applications:

For highly flexible permanent tacky adhesives. As primer with good adhesion to leather, textile and plastic as well as a combination dispersion for adhesive acrylic dispersions.

Latest update 11.12.2015

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

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.



Technical data sheet

ALBERDINGK® U 4101

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.

Latest update 11.12.2015

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

Page 2 of 2

Alberdingk Boley, Inc. | Greensboro, NC, USA | www.alberdingkusa.com Alberdingk Resins (Shenzhen) Co.Ltd. | Shenzhen City, P.R. China | www.alberdingkchina.com