

# 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
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### According to:

ISO 3251  
0.5 g weighed quantity at 105°C

pH- value		7.0 - 8.5
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Viscosity	mPas	50 - 750
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ISO 976

ISO 2555, Brookfield RVT  
Spindle 2/rpm 20/factor 20

### Further typical data\*:

MFFT	°C	ca. 0
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Density	g/cm <sup>3</sup>	1.0 - 1.1
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Solvent-free		
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### According to:

ISO 2811-1

### Film properties\*:

Ultimate tensile strength	N/mm <sup>2</sup>	ca. 32
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E-Modulus	N/mm <sup>2</sup>	ca. 1.5
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Elongation at break	%	ca. 1400
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### According to:

ISO 527-1

ISO 527-1

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.

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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.