

Technical data sheet

ALBERDINGK® U 400 N

Characteristic:

Aqueous, colloidal, anionic, low viscous 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 - 8.0 | ISO 976 |
| Viscosity | mPas | 20 - 200 | ISO 2555, Brookfield RVT Spindle 1/rpm 50/factor 2 |

Further typical data*:

| | | | |
|--------------|-------------------|-----------|----------------------|
| MFFT | °C | ca. 0 | According to: |
| Density | g/cm ³ | 1.0 - 1.1 | ISO 2811-1 |
| Solvent-free | | | |

Film properties*:

| | | | |
|---------------------------|-------------------|---------|----------------------------------|
| Pendulum hardness (König) | s | ca. 35 | According to: ISO 1522 |
| E-Modulus | N/mm ² | ca. 6.5 | ISO 527-1 |
| Ultimate tensile strength | N/mm ² | ca. 30 | ISO 527-1 |
| Elongation at break | % | ca. 500 | ISO 527-1 |

Applications:

For 1- and 2- component adhesives (80-100°C) with a high water resistance. The main applications are laminating of textile, wood and foils.

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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.