

Technical data sheet

ALBERDINGK® U 6100

Characteristic:

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

Specification:

Solids content % 35.0 - 37.0

pH- value 7.5 - 9.0

Viscosity mPas 20 - 200

According to:

ISO 3251
0.5 g weighed quantity at
105°C

ISO 976

ISO 2555, Brookfield RVT
Spindle 1/rpm 50/factor 2

Further typical data*:

MFFT °C ca. 0

Density g/cm³ ca. 1.05

Solvent-free

According to:

ISO 2811-1

Film properties*:

Blocking point °C ca. 130

Pendulum hardness (König) s ca. 50

E-Modulus N/mm² ca. 11

Ultimate tensile strength N/mm² ca. 40

Elongation at break % ca. 300

According to:

ISO 1522

ISO 527-1

ISO 527-1

ISO 527-1

Applications:

Very good adhesion on ABS, PC, PVC, PU, PA and PS. Very good pigmentability. Suitable for automotive base coats if combined with acrylic dispersions. Good plasticizer barrier on PVC-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.