

Technical data sheet

ALBERDINGK® U 199

Characteristic:

Very soft, solvent free, aliphatic polyester-polyurethane dispersion. The dispersion is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

| Specification: | | | According to: |
|---------------------------|-------|-------------|------------------------------------|
| Solids content | % | 59.0 - 61.0 | ISO 3251 |
| | | | 0.5 g weighed quantity at 105°C |
| pH- value | | 7.5 - 9.5 | ISO 976 |
| Viscosity | mPas | 200 - 1000 | 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: |
| Blocking point | °C | ca. 110 | |
| Pendulum hardness (König) | S | ca. 25 | ISO 1522 |
| E-Modulus | N/mm2 | ca. 1.5 | ISO 527-1 |
| Ultimate tensile strength | N/mm2 | ca. 15 | ISO 527-1 |
| Elongation at break | % | ca. 850 | ISO 527-1 |

Applications:

For very soft and flexible coating systems on e.g. leather, textile and plastics.

Latest update 21.03.2018

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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.



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Properties:

ALBERDINGK® U 199 VP is an improved version of the long proven product ALBERDINGK® U 2101 with the following advantages :

- improved water resistance
- much softer touch
- better and easier rheology control
- better washing resistance on textiles

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.

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Further information:

The product tends to form sedimentation, so it has to be stirred very well before use.

Notice:

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

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