ALBERDINGK BOLEY

Technical data sheet

ALBODUR® 145

Characteristic:

OH-functional polyol based on castor oil (renewable raw materials).

Specification:			**According to:**
Acid value	mg KOH/g	0.00 - 2.00	ISO 660
Water content	%	0.00 - 0.10	ISO 8534
Iodine colour value		2.0 - 4.0	DIN 6162
Gardner colour value		2.0 - 4.0	ISO 4630
Hydroxyl value	mg KOH/g	220 - 250	ISO 4629-2
Viscosity acc. to Brookfield cone plate at 25°C, cone 5, 500rpm	mPas	2600 - 3200	ISO 2884

Further typical data*:			**According to:**
Non-volatile compounds	%	ca 100	
OH-content as supplied	%	ca. 7.1	
OH-equivalent weight		ca. 240	
Solvent-free			
Density at 23°C	g/cm3	0.98 - 1.02	ISO 2811-3
Shore A hardness		ca. 100	ISO 48-4
Shore D hardness		ca. 80	ISO 48-4
Elongation at break	%	ca. 10	ISO 527-1
Tensile strength	N/mm2	ca. 45	ISO 527-1
Viscosity acc. to Brookfield c/p at 23°C, cone 5, 500rpm	mPas	2900 - 3800	ISO 2884

Applications:

If crosslinked with e.g. an aromatic polyisocyanate, hard surface coatings with good chemical resistance are obtained.

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

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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Storage:
In originally closed containers, ALBODUR® polyols and oil polymers are stable for 12 months when stored at recommended temperature range from +5°C to +30°C. The products should be protected from atmospheric oxygen.
A turbidity of the products due to coldness is reversible and can be removed by heating up to more than 40 °C.
ALBERDINGK BOLEY GmbH assures, that the data mentioned under "specification" are stable for 12 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 12 months of storage can not be given by ALBERDINGK BOLEY GmbH.

Packaging:
steel drums (190 kg)
one-way container (approx. 900 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 cannot be considered as part of the product specification.
The measurements of the shore hardness as well as elongation at break and tensile strength are performed by the following formulation: 94.5% ALBODUR® + 5.0% ALBOLITH MS C 350 + 0.5% BYK-088 (BYK Chemie). Crosslinked with Suprasec 2496 (Huntsman). Crosslinking ratio 110%.
The results are measured after curing 7 days at RT.

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