

# Technical data sheet

## ALBODUR® 102

### Characteristic:

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

### Specification:

			According to:
Acid value	mg KOH/g	1.00 - 3.00	ISO 660
Water content	%	0.00 - 0.10	ISO 8534
Iodine colour value		1.0 - 5.0	DIN 6271
Gardner colour value		1.0 - 5.0	ISO 4630
Hydroxyl value	mg KOH/g	80 - 100	ISO 4629-2
Viscosity acc. to Brookfield cone plate at 25°C, cone 5, 500rpm	mPas	500 - 700	ISO 2884

### Further typical data\*:

			According to:
Non-volatile compounds	%	ca. 100	
OH-content as supplied	%	ca. 2.7	
OH-equivalent weight		ca. 630	
Solvent-free			
Density at 23°C	g/cm <sup>3</sup>	0.97 - 0.98	ISO 2811-3
Functionality (cal.)		2.0	
Shore A hardness		ca. 55	ISO 48-4

### Applications:

Polyol with hydrophobing properties for polyurethane systems, e.g. adhesives, coatings, casting resins, sealants and foams. Compatible with most polyether and/ or polyester polyols and can be blended with other diols or triols to achieve preferable modifications of product properties.

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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 measurement of the shore hardness is performed by the following formulation:

94.5% ALBODUR® + 5.0% ALBOLITH MS C 350 + 0.5% BYK-088 (BYK chemistry).

Crosslinked with Suprasec 2496 (Huntsman). Crosslinking ratio 110%.

The results are measured after curing 7 days at RT.