

Technical data sheet

ALBODUR® 903

Characteristic:

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

Specification:

Acid value	mg KOH/g	1.0 - 2.0	ISO 660
Water content	%	0.00 - 0.30	ISO 8534
Iodine colour value		2.0 - 4.0	DIN 6271
Gardner colour value		2.0 - 4.0	ISO 4630
Hydroxyl value	mg KOH/g	150 - 170	ISO 4629-2
Viscosity acc. to Brookfield cone plate at 25°C, cone 5, 500rpm	mPas	500 - 800	ISO 2884

According to:

Further typical data*:

Non-volatile compounds	%	ca. 100	
OH-content as supplied	%	ca. 4.85	
OH-equivalent weight		ca. 351	
Solvent-free			
Density at 23°C	g/cm ³	0.96 - 0.97	ISO 2811-3
Shore A hardness		ca. 65	ISO 48-4
Shore D hardness		ca. 15	ISO 48-4
Elongation at break	%	ca. 155	ISO 527-1
Tensile strength	N/mm ²	ca. 5	ISO 527-1

According to:

Properties:

The measurements of the Shore hardness, as well as elongation at break and ultimate strength are 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.

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Applications:

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

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.

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Notice:

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

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