

Technical data sheet

ALBODUR® 903

Characteristic:

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

Specification:			According to:
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	mPas	500 - 800	ISO 2884
at 25°C, cone 5, 500rpm			
Further typical data*:			According to:
			According to:
Non-volatile compounds	%	ca. 100	According to:
	% %	ca. 100 ca. 4.85	According to:
Non-volatile compounds	. •		According to
Non-volatile compounds OH-content as supplied	. •	ca. 4.85	According to:
Non-volatile compounds OH-content as supplied OH-equivalent weight	. •	ca. 4.85	ISO 2811-3
Non-volatile compounds OH-content as supplied OH-equivalent weight Solvent-free	%	ca. 4.85 ca. 351	-
Non-volatile compounds OH-content as supplied OH-equivalent weight Solvent-free Density at 23°C	%	ca. 4.85 ca. 351	ISO 2811-3
Non-volatile compounds OH-content as supplied OH-equivalent weight Solvent-free Density at 23°C Shore A hardness	%	ca. 4.85 ca. 351 0.96 - 0.97 ca. 65	ISO 2811-3 ISO 48-4

Properties:

The measurements of the Shore hardness, as well as elongation at break and ultimative 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.

Latest update 31.03.2025

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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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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.

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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