

ARCOL[®] POLYOL 1003

General Properties and Applications ARCOL[®] Polyol 1003 is a difunctional polyether polyol for the production of polyurethane products.

Sampling Moisture access must be prevented when taking product samples.

Specification Property	Value	Unit of measurement	Method
Hydroxyl number	280 ± 10	mg KOH/g	ASTM D4274
Water content	≤ 0.08	% by wt.	ASTM D 4672
Acid NR	≤ 0.1	mg KOH/g	STC-ANPT-427
Unsaturation	≤ 0.05	meq/g	ASTM D4671
Colour	≤ 60	APHA	ASTM D 1209
pH value	6.5 ± 1.5	10/6 IPA/Water	STC-ANPT-418
Viscosity at 25 °C	70 ± 20	mPa.s	ASTM D 4878

Other Data* Property	Value	Unit of measurement	Method
Density at 25 °C	approx. 1.007	g/cm ³	ASTM D4669

* These values provide general information and are not part of the product specification



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Packaging	Drums, tank wagons
Storage	Recommended storage temperature (°C): 10 - 35 Shelf life (ex works): 12 months if stored in sealed, moisture-tight containers
Labeling and REACH applications	This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

This product is not designated as „Medical Grade“ (1) and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood)*. [This product is also not designated for Food Contact (2), including drinking water, or cosmetic applications. If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, for Food Contact products or cosmetic applications Covestro must be contacted in advance to provide its agreement to sell such product for such purpose.] Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by Covestro.

1) Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

2) As defined in Commission Regulation (EU) 1935/2004.

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