

# VINNEX® N 100

VINYL ACETATE HOMOPOLYMER, CAS NO. 9003-20-7

## Product description

VINNEX® N 100 is a solid, thermoplastic homopolymer. The clear and colorless resin is prepared by polymerization of vinyl acetate.

## Application

Typical applications for VINNEX® N 100:

- Adhesives
- Sound dampening

Guide formulations are available on request.

## Processing

Product data

Melt viscosity, 100% Polymer

Bohlin, high temperature viscosimeter

140 °C	~ 2000 Pa·s
160 °C	~ 400 Pa·s
180 °C	~ 200 Pa·s

Solid content in acetone	Viscosity Brookfield RVT, 20 RPM, 23 ° C (PML 002)
40 %	400 mPas
50 %	2000 mPas

Solid content in methyl acetate	Viscosity Brookfield RVT, 20 RPM, 23 ° C (PML 002)
50 %	4000 mPas

Solid content in 96 % ethanol	Viscosity Brookfield RVT, 20 RPM, 23 ° C (PML 002)
40 %	2000 mPas
50 %	10000 mPas

Solid content in ethyl acetate	Viscosity Brookfield RVT, 20 RPM, 23 ° C (PML 002)
40 %	1000 mPas
50 %	6000 mPas

Viscosity Brookfield RVT, 20 RPM, 23 ° C (PML 002)	1000 mPas
	6000 mPas

## Storage

To prevent caking VINNEX® N 100 should not be stored at temperatures above 20°C. Storage conditions must be dry; material must be protected from direct sun exposure.

Under these conditions the product has a shelf life of at least 24 months.

## Packaging

VINNEX® N 100 is supplied in 25 kg PE Bags.

## Additional information

If VINNEX® N 100 is used in applications other than those mentioned, the choice, processing and use of VINNEX® N 100 is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries.

**Product data**

Specification data	Inspection Method	Value
Viscosity (10% in ethyl acetate)	ASTM D 445-06	5,0 – 7,2 mPa*s
Loss on drying	specific method	max. 1,0 %

Values are documented in the certificate of analysis.

Typical general characteristics	Inspection Method	Value
Acid number	specific method	< 0,5 mg KOH/g
Bulk density	DIN 53466	730 kg/m <sup>3</sup>
Supply form	Visual	solid, colorless pellets, odorless and tasteless
Density of the polymer	DIN 66137-2	approx. 1,19 g/cm <sup>3</sup>
Mettler softening point	ASTM D 3104	133 °C
Molecular weight ( $M_w$ )	SEC, PS-Standard	100000
Glass transition temperature	DSC (DIN 53765 / ISO 11357-5)	42 °C

Figures below "Typical general characteristics" are intended as a guide and should not be used in preparing specifications.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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For technical, quality, or product safety questions, please contact:

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