

# VINNEX<sup>®</sup> 2525

## Polymer Resins

VINNEX<sup>®</sup> 2525 is a solid, thermoplastic homopolymer. The clear and colorless resin is prepared by polymerization of vinyl acetate. VINNEX<sup>®</sup> 2525 is tasteless.

## Technical data

### Specification

| Property                        | Condition | Value         | Method          |
|---------------------------------|-----------|---------------|-----------------|
| Viscosity, 10% in ethyl acetate | 20 °C     | 35 - 55 mPa·s | ASTM D 445 - 06 |
| Volatiles                       | -         | < 1.0 %       | specific method |

## General Characteristics

| Property                     | Condition | Value  | Method                         |
|------------------------------|-----------|--|--------------------------------|
| Bulk density                 | -         | 700 - 850 kg/m <sup>3</sup>                    | DIN 53466                      |
| Supply form                  | -         | solid, colorless beads, odorless and tasteless | Visual                         |
| Density of the polymer       | -         | approx. 1.18 g/cm <sup>3</sup>                 | DIN EN ISO 1183 /1-3           |
| K-value                      | -         | 67 - 73  | DIN 53726                      |
| Softening point              | -         | approx. 200 °C                                 | DIN ISO 4625, by Ring and Ball |
| Molecular weight (Mw)        | -         | approx. 360000 g/mol                           | SEC, PS-Standard               |
| Glass transition temperature | -         | approx. 44 °C                                  | DSC DIN EN ISO 11357-2         |
| Acid number                  | -         | < 0.5 mg KOH/g                                 | specific method                |

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be downloaded via WACKER web site <http://www.wacker.com>.

## Applications

- PLA Applications
- Additives for Biopolymers
- PHA/PHB Applications
- PBS Applications

## Application details

Typical applications for VINNEX® 2525: modification of biopolymers and biopolymer compounds; blending with natural fibres or flour such as wood, starch and cork.

### Processing - Product data

Melt viscosity, 100% Polymer

Bohlin high temperature viscosimeter

180 °C ~ 4500 Pa·s

200 °C ~ 3500 Pa·s

220 °C ~ 3000 Pa·s

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. These are available on request from WACKER sales offices or may be downloaded from the WACKER Web site [www.wacker.com/nexiva](http://www.wacker.com/nexiva).

## Packaging and storage

### Packaging

VINNEX® 2525 is supplied in 25 kg Paper Bags.

### Storage

VINNEX® 2525 should not be stored at temperatures above 20°C in order to prevent caking. 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 12 months.

## Safety notes

Comprehensive instructions are given in the appropriate Material Safety Data Sheets. These are available on request from WACKER sales offices.

## QR Code VINNEX® 2525



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

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