

VINNEX[®] 2523

Polymer Resins

VINNEX[®] 2523 is a solid, thermoplastic homopolymer. The clear and colorless resin is prepared by polymerization of vinyl acetate. VINNEX[®] 2523 is tasteless.

Technical data

Specification

Property	Condition	Value	Method
Viscosity, 10 % in ethyl acetate	20 °C	8 - 11 mPa·s	ASTM D 445 - 06
Volatiles	-	< 1.0 %	specific method

General Characteristics

Property	Condition	Value	Method
Bulk density	-	700 - 850 kg/m ³	DIN 53466
Supply form	-	solid, colorless beads, odorless and tasteless	Visual
Density of the polymer	-	approx. 1.18 g/cm ³	DIN EN ISO 1183 /1-3
K-value	-	48 - 54	DIN 53726
Molecular weight (Mw)	-	approx. 130000 g/mol	SEC, PS-Standard
Glass transition temperature	-	approx. 43 °C	DSC DIN EN ISO 11357-2
Acid number	-	< 0.5 mg KOH/g	specific method
Softening point	-	approx. 120 °C	DIN ISO 4625, by Ring and Ball

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

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

Application details

Typical applications for VINNEX[®] 2523: 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

140 °C ~ 4000 Pa·s

160 °C ~ 1500 Pa·s

180 °C ~ 640 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.

Packaging and storage

Packaging

VINNEX® 2523 is supplied in 25 kg Paper Bags.

Storage

VINNEX® 2523 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® 2523



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

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