

# VINNAPAS® eco C 501 (XX MB)



## Polyvinyl Acetate & Copolymers

VINNAPAS® eco C 501 (XX MB) is a solid, colorless to pale yellowish copolymer of vinyl acetate and crotonic acid. The technical properties of VINNAPAS® eco C 501 and VINNAPAS® C 501 are identical

VINNAPAS® eco is a fossil resources saving product, where a specific share of the fossil-based raw materials required for manufacturing of this product can be replaced by certified sustainable renewable feedstock. The substitution is based on the REDcert<sup>2</sup> mass balance approach, audited by an independent third party.

The exact amount of fossil raw material replaced depends on the selected product version and is specified in the corresponding certificate. Please contact your WACKER representative or visit the product page on the WACKER website [www.wacker.com](http://www.wacker.com) for additional information regarding WACKER's products or sustainability efforts, including mass balance.



## Properties

## Technical data

### Specification

Property	Condition	Value	Method
Acid number	-	6.0 - 9.0 mg KOH/g	specific method
Viscosity in 10 % ethyl acetate	20.0 °C	7.5 - 9.5 mPa·s	ASTM D 445 - 06

## General Characteristics

Property	Condition	Value	Method
Supply form	-	solid, colorless to pale yellowish flakes	-
Density of the polymer	-	approx. 1.18 g/cm <sup>3</sup>	DIN EN ISO 1183 /1-3
K-value	-	48.0 - 52.0	DIN 53726
Softening point	-	approx. 146 °C	ASTM D 3104
Molecular weight (Mw)	-	approx. 135000 g/mol	SEC, PS-Standard
Glass transition temperature	-	approx. 43.0 °C	DSC (DIN 53765 / ISO 11357-5)
Content Volatiles	-	< 0.5 %	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

- Antishrinkage Additives
- Composites
- Resin Modification for Composites

## Application details

Typical applications for VINNAPAS® eco C 501 (XX MB):

- fiber reinforced plastics

### Processing - Product data

Melt viscosity, 100% Polymer

Bohlin high temperature viscosimeter

100 °C ~ 8800 Pa·s

120 °C ~ 6000 Pa·s

140 °C ~ 3000 Pa·s

160 °C ~ 1200 Pa·s

Solid content Viscosity Brookfield RVT,

in styrene 20 RPM, 23°C (PML 002)

20 % 180 mPa·s

30 % 1000 mPa·s

40 % 6500 mPa·s

## Packaging and storage

### Packaging

VINNAPAS® eco C 501 (XX MB) is supplied in 25 kg Paper Bags. 500 kg Big Bag is available on request.

### Storage

To prevent caking VINNAPAS® eco C 501 (XX MB) 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 12 months starting from the date of receipt.

## 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/vinnapas](http://www.wacker.com/vinnapas).

## QR Code VINNAPAS® eco C 501 (XX MB)



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

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The data presented in this medium 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 medium 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 information provided by us does 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 product for a particular purpose.