

# VINNEX<sup>®</sup> RT 50

## Polyvinyl Acetate & Copolymers

VINNEX<sup>®</sup> RT 50 is a colorless to pale yellowish copolymer of vinyl acetate and vinyl laurate.

### Technical data

#### Specification

Property	Condition	Value	Method
Residual vinyl acetate monomer	-	< 100 ppm	specific method
Viscosity, 10 % in ethyl acetate	20 °C	1.8 - 2.7 mPa·s	ASTM D 445 - 06

## General Characteristics

Property	Condition	Value	Method
Softening point	-	61 °C	ASTM D 3104
Molecular weight (Mw)	-	approx. 45000 g/mol	SEC, PS-Standard
Glass transition temperature	-	approx. 4 °C	DSC (DIN 53765 / ISO 11357-5)
Residual monomer (vinyl laurate)	-	< 1000 ppm	specific method
Volatiles	-	< 1 %	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.

## Applications

- Antishrinkage Additives

## Application details

### Application

VINNEX® RT 50 is recommended as highly efficient Low Profile Additive for low and room temperature composite processes such as RTM light and vacuum infusion. Guide formulations are available upon request.

### Processing

Product data

Melt viscosity, 100 % Polymer

Bohlin high temperature viscosimeter, 5 °C/min

100 °C ~ 52 Pa·s

120 °C ~ 15 Pa·s

140 °C ~ 6 Pa·s

160 °C ~ 3 Pa·s

Solid content Viscosity Brookfield RVT

in styrene 20 RPM, 23 ° C (PML 002)

40 % 130 mPas

50 % 420 mPas

60 % 1930 mPas

## Packaging and storage

### Packaging

VINNEX® RT 50 is delivered in 200 kg fiber drums.

### Storage

Storage conditions should be dry; material should be protected from direct sun exposure. Under these conditions the product has a shelf life of at least 24 months.

## Safety notes

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

## QR Code VINNEX® RT 50



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

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