

# VINNEX<sup>®</sup> 8802

## Polyvinyl Acetate & Copolymers

VINNEX<sup>®</sup> 8802 is an innovative compound based on a vinyl acetate/vinyl laurate copolymer and polyvinyl acetate.

### Properties

- VINNEX<sup>®</sup> 8802 is a colorless, tasteless and odorless thermoplastic resin in dosable form and can be melted easily.

### Technical data

#### Specification

| Property                          | Condition | Value           | Method          |
|-----------------------------------|-----------|-----------------|-----------------|
| Free acetic acid                  | -         | max. 0.05 %     | specific method |
| Residual monomer (vinyl acetate)  | -         | max. 5 ppm      | specific method |
| Residual monomer (vinyl laurate)  | -         | max. 100 ppm    | specific method |
| Viscosity (10 % in ethyl acetate) | -         | 3.2 - 4.0 mPa·s | ASTM D 445 - 06 |

## General Characteristics

| Property                     | Condition | Value                  | Method                        |
|------------------------------|-----------|------------------------|-------------------------------|
| Mettler softening point      | -         | approx. 106 °C         | ASTM D 3104                   |
| Glass transition temperature | -         | approx. 26 °C          | DSC (DIN 53765 / ISO 11357-5) |
| Appearance                   | -         | solid, colorless beads | Visual                        |
| Volatiles                    | -         | max. 1.0 %             | 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

- PBS Applications
- PHA/PHB Applications
- PLA Applications
- Resin Modification for Composites

## Application details

VINNEX® 8802 is recommended as highly efficient Low Profile Additive that provides significantly improved LPA effect in Vinyl ester resins and at lower curing temperatures compared to conventional LPA grades. Guide formulations are available upon request. It also shows excellent compatibility with Biopolyesters like PLA.

### Processing

Solid content Viscosity Brookfield RVT  
in styrene 20 RPM, 23 ° C (P ML 002)  
40 % 400 mPas

Solid content Viscosity Brookfield RVT  
in 1,4-BDDMA 20 RPM, 23 ° C (P ML 002)  
40 % 6000 mPas

## Additional information

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

For questions concerning food contact status according the chapter 21 CFR (US FDA) and German BfR, please feel free to contact us.

Wacker Chemie AG Hanns-Seidel-Platz 4 D-81737 München Germany

## Packaging and storage

### Packaging

VINNEX® 8802 is delivered in 25 kg bags

### Storage

To prevent caking VINNEX® 8802 should not be stored at temperatures above 10°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 36 months starting from the date of receipt.

## Safety notes

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

## QR Code VINNEX® 8802



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

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