

# VINNAPAS® UW 10 FS



## Polyvinyl Acetate & Copolymers

VINNAPAS® UW 10 FS is a solid, thermoplastic homopolymer.

The clear and colorless resin is prepared by polymerization of vinyl acetate. VINNAPAS® UW 10 FS 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 % by weight | specific method |

## General Characteristics

| Property                     | Condition | Value                          | Method                 |
|------------------------------|-----------|--------------------------------|------------------------|
| Acid number                  | -         | < 0.5 mg KOH/g                 | specific method        |
| Bulk density                 | -         | 700 - 850 kg/m <sup>3</sup>    | DIN 53466              |
| Supply form                  | -         | solid, colorless beads         | Visual                 |
| Density of the polymer       | -         | approx. 1.18 g/cm <sup>3</sup> | DIN EN ISO 1183 /1-3   |
| Softening point              | -         | approx. 220 °C                 | ASTM D 3104            |
| Molecular weight (Mw)        | -         | approx. 410000 g/mol           | SEC, PS-Standard       |
| Glass transition temperature | -         | approx. 44 °C                  | DSC DIN EN ISO 11357-2 |

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
- Building & Construction Adhesives
- Composites
- Do It Yourself
- Industrial Coatings
- Resin Modification for Composites

## Application details

Typical applications for VINNAPAS® UW 10 FS:  
fiber reinforced plastics  
Adhesives  
powder injection molding  
sound damping

### Processing

Solid content Viscosity Brookfield RVT,  
in styrene 20 RPM, 23°C (PML 002)  
20 % 1500 mPa·s  
30 % 18000 mPa·s  
40 % 160000 mPa·s

## 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.

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## Packaging and storage

### Packaging

VINNAPAS® UW 10 FS is supplied in 25 kg Paper Bags. Big Bag is available on request.

### Storage

VINNAPAS® UW 10 FS 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 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 VINNAPAS® UW 10 FS



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

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