VINNAPAS® UW 2 FS

VINNAPAS®

Polyvinyl Acetate & Copolymers

VINNAPAS® UW 2 FS is a solid, thermoplastic homopolymer. The clear and colorless resin is prepared by polymerization of vinyl acetate. VINNAPAS® UW 2 FS is tasteless.

Technical data

Specification

Property	Condition	Value	Method
Content Volatiles	-	< 1.0 wt. %	specific method
Viscosity in 10 % ethyl acetate	20.0 °C	11.0 - 13.5 mPa·s	ASTM D 445 - 06

General Characteristics

Property	Condition	Value	Method
Acid number	-	< 0.5 mg KOH/g	specific method
Bulk density	-	700 - 850 kg/m^3	DIN 53466
Density of the polymer	-	approx. 1.18 g/cm^3	DIN EN ISO 1183 /1-3
Glass transition temperature	-	approx. 43 °C	DSC DIN EN ISO 11357-2
K-value	-	54 - 60	DIN 53726
Molecular weight (Mw)	-	approx. 180000 g/mol	SEC, PS-Standard
Softening point	-	approx. 167 °C	ASTM D 3104
Supply form	-	solid, colorless beads	Visual

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

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

Application details

Typical applications for VINNAPAS® UW 2 FS:
fiber reinforced plastics
Adhesives
powder injection molding
sound damping

Processing

Product data
Melt viscosity, 100% Polymer
Bohlin high temperature viscosimeter
140 °C ~ 4700 Pa·s
160 °C ~ 2600 Pa·s
180 °C ~ 1200 Pa·s

200 °C ~ 600 Pa·s
Solid content Viscosity Brookfield RVT,
in styrene 20 RPM, 23°C (PML 002)
20 % 280 mPa·s
30 % 1800 mPa·s
40 % 9900 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.
Wacker Chemie AG Hanns-Seidel-Platz 4 D-81737 München Germany

Packaging and storage

Packaging

VINNAPAS® UW 2 FS is supplied in 25 kg Paper Bags. Big Bag is available on request.

Storage

VINNAPAS® UW 2 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 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 VINNAPAS® UW 2 FS

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

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