

# UW 10 TR, FH PE-FLASCHE 750 G

VINYLACETATE HOMOPOLYMER, CAS NO. 9003-20-7

## Product description

UW 10 TR, FH PE-Flasche 750 g is a solid, thermoplastic, ultra-high molecular homopolymer. The clear and colorless resin is prepared by polymerization of vinyl acetate.

UW 10 TR, FH PE-Flasche 750 g is tasteless.

## Application

Typical applications for UW 10 TR, FH PE-Flasche 750 g:

- fiber reinforced plastics
- adhesives
- powder injection molding
- sound damping

## Processing

### Product data

Melt viscosity, 100% Polymer

Bohlin high temperature viscosimeter

140 °C	~ 31000 Pa·s
160 °C	~ 23000 Pa·s
180 °C	~ 17000 Pa·s
200 °C	~ 12000 Pa·s

Solid content in styrene	Viscosity Brookfield RVT, 20 RPM, 23°C (PML 002)
20 %	1050 mPa·s
30 %	11320 mPa·s
40 %	97600 mPa·s

## Storage

UW 10 TR, FH PE-Flasche 750 g 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.

## Packaging

UW 10 TR, FH PE-Flasche 750 g is supplied in 75 kg Fiberdrums.

## Additional information

If UW 10 TR, FH PE-Flasche 750 g is used in applications other than those mentioned, the choice, processing and use of UW 10 TR, FH PE-Flasche 750 g is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

## 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>.

**Product data**

Specification data	Inspection Method	Value
Viscosity (10% in ethylacetate)	DIN 53015 (20 °C)	35 - 55
Volatiles	WACKER method	< 1,0

Values are documented in the certificate of analysis.

Typical general characteristics	Inspection Method	Value
Acid number / saponification number	WACKER method	< 0,5 mg KOH/g
Bulk density	DIN 53466	700 - 850 kg/m <sup>3</sup>
Supply form	Visual	solid, colorless beads, odorless and tasteless
Density of the polymer	DIN EN ISO 1183 /1-3	approx. 1,18 g/cm <sup>3</sup>
K-value	DIN 53726	67 - 73
Softening point	DIN ISO 4625, by Ring and Ball	190 - 210 °C
Molecular weight (M <sub>w</sub> )	SEC, PS-Standard	330000 - 430000
Glass transition temperature	DSC DIN EN ISO 11357-2	approx. 44 °C

Figures below "Typical general characteristics" are intended as a guide and should not be used in preparing specifications.

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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