WACKER POLYMERS VINNAPAS®

# 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℃) | 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/m³ |
| Supply form | Visual | solid, colorless beads, odorless and tasteless |
| Density of the polymer | DIN EN ISO 1183 /1-3 | approx. 1,18 g/cm³ |
| K-value | DIN 53726 | 67 - 73 |
| Softening point | DIN ISO 4625, by Ring and Ball | 190 - 210 ℃ |
| Molecular weight ($M_W$) | SEC, PS-Standard | 330000 - 430000 |
| Glass transition temperature | DSC DIN EN ISO 11357-2 | approx. 44 ℃ |

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



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



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