



# Viscowax 253

CAS No.: 68441-17-8

# Viscowax 253

Viscowax 253 is an oxidised, polar polyethylene wax.

## Applications

Plastic processing

- Lubricant for PVC processing

Paraffin compounding, candles

- Increase of drop point
- Improvement of release effect and surface gloss

## Applications as waterbased emulsions

Textile industry

- Plasticiser component
- Improvement of cross-linking properties, tear resistance and smoothing of fabrics
- Slip agent for sewing threads

## Product Specification

|                                    | Value           | Unit                | Method             |
|------------------------------------|-----------------|---------------------|--------------------|
| Acid value *                       | 14 - 18         | mg KOH/g            | DGF M-IV 2         |
| Viscosity (@ 140°C *)              | 150 - 300       | mm <sup>2</sup> /s  | DGF M-III 8        |
| Drop point *                       | 105 - 111       | °C                  | DGF M-III 3        |
| Solidification point               | 96 - 100        | °C                  | DGF M-III 4a       |
| Needle penetration                 | ≤ 2             | 10 <sup>-1</sup> mm | DGF M-III 9b       |
| Density                            | 0.94 - 0.96     | g/cm <sup>3</sup>   | DIN EN ISO 1183, C |
| Molecular weight (M <sub>n</sub> ) | 1800            | g/mol               | GPC                |
| Saponification value               | > 30            | mg KOH/g            | DGF M-IV 2         |
| Type of delivery                   | fine grain      | -                   | visual             |
| Appearance                         | white-yellowish | -                   | visual             |

\* General supply specification

DGF: Test methods of the Deutsche Gesellschaft für Fettwissenschaft e.V. Münster i.W.

## Applications as waterbased emulsions

Paper industry

- For surface finishing

Printing inks

- As anti-blocking/slip agent
- Agent for abrasion prevention in aqueous printing inks

Diecasting industry

- As release agent

Citrus fruit coating

## Food Legislation

Viscowa 253 has been licensed for the manufacture of consumer goods for the contact with food in several cases.

- Germany: BfR-Recommendations II, V, VI, XXXIV
- EU: Synoptic Document No. 7: PM-Ref.-Nr. 80077

For citrus fruit coating application Viscowa 253 complies with

- EU-Directive 95/2/EC (E914)
- Deutsche Zusatzstoffzulassungsverordnung: (E914)
- USA: FDA CFR 21 §§ 172.260, 177.1620

## Safety and Toxicology

Viscowa 253 has not been classified as a hazardous material in accordance with the Hazardous Materials Ordinance and therefore they do not require marking. The product does not contain heavy metals. It is insoluble in water and has no harmful effect on fish and bacteria. Disposal of the product is to be carried out in accordance with the local regulations. For further information please see the relevant Safety Data Sheet at [www.innospecinc.com](http://www.innospecinc.com)

## Packaging, Shipment and Storage

Viscowa 253 is shipped palletised (preferably 750 kg each) and shrink-wrapped as dust-free powder in paper or PE sacks of 25 kg each. Shipment in big bags of different sizes is possible upon request. The product shall be stored in its original packaging at room temperature in a dry place. It must not be stored together with amines. Avoid direct sun radiation and water contact.



For further information, please email your region:

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