



# VISCOWAX® 253

Oxidised PE-Wax

CAS Number: 68441 - 17 - 8

VISCOWAX® 253 – high quality oxidised polyethylene wax.  
It contains polar functional groups and is emulsifiable in water.

Characteristics	Reference Value	Units	Test 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 (Mn)	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.

VISCOWAX® 253 can be used in many different applications. Please contact us to get more information about the special properties of our product and the potential use / advantage in your application.

## Main scope of applications and effects:

- Plastic processing
  - Lubricant for PVC processing
  - Dispersing agent for Masterbatches and WPC
- Lacquers
  - Rheology additive / Anti-settling
- Applications for water-based emulsions:
- Fruit coating
  - Surface protecting and sealing, Gloss
- Textile
  - Plasticizer component for easy-care finishing
  - Softening of fabrics (Softener)
- Paper
  - Surface finishing
- Polishes
  - Shoe creams, floor polishes, leather care
- Printing inks
  - Anti blocking / slip agent /abrasion prevention
- Die-casting
  - Release agent



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## Status under Food Legislation

EU: Listed in Annex I of Regulation (EU) 10/2011 (Ref. No: 80077, SML = 60 mg/kg)

USA: FDA CFR 21 §177.1620 Polyethylene, oxidized;  
Further §§175.300, 175.105, 176.170, 176.180, 177.1390; 177.1200; 177.2800

Fruit coating:

VISCOWAX® 253 complies with:

- Regulation (EU) No. 1333/2008 + Regulation (EU) No. 231/2012 (E914)
- Germany: Deutsche Zusatzstoff-Zulassungsverordnung: (E914)
- USA: FDA CFR 21 § 172.260

## Safety and Environment

VISCOWAX® 253 has not been classified as hazardous materials in accordance with the Regulation (EC) No. 1272/2008 (CLP/GHS) and therefore it does not require marking.

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.

Please refer to our Safety Data Sheet for further safety relevant information

## Form of Delivery, Packaging and Storage

VISCOWAX® 253 is shipped as dust-free powder either in multilayer paper bags or PE bags of 25 kg net. The product is palletised (preferably 750 kg net) on CP2-pallets (1200mm x 800mm) which are shrink-wrapped.

Big bags of different sizes up to 1000kg net palletised on CP3-pallets (1140mm x 1140mm) are also available.

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.

Please do not hesitate to contact us for further details.

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Leuna, March 2015

The general points listed correspond to our current knowledge and have been elaborated to the best of our belief and under consideration of professional care. Herewith, we do not guarantee definite properties nor suitability for a particular application. It is the customer's duty to particularly check suitability of the product for the use intended.