



# VISCOWAX<sup>®</sup> 123

PE-Wax

<sup>®</sup>  
VISCOWAX

## VISCOWAX<sup>®</sup> 123

CAS: 9002 - 88 - 4

... is a high quality non-oxidised, non-polar polyethylene wax, produced according to a high pressure polymerisation process.

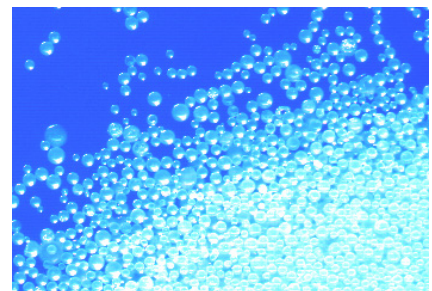
Characteristics	Reference Value	Unit	Test method
Viscosity @ 140°C *	200 - 300	mm <sup>2</sup> /s	DGF M-III 8
Drop point *	107 - 112	°C	DGF M-III 3
Solidification point	97 - 103	°C	DGF M-III 4a
Needle penetration	≤ 4	10 <sup>-1</sup> mm	DGF M-III 9b
Hardness	200 - 400	bar	DGF M-III 9a
Density	0.92 - 0.94	g/cm <sup>3</sup>	DIN EN ISO 1183, C
Molecular weight (Mn)	1900	g/mol	GPC
Type of delivery	fine grain	-	visual
Appearance	white	-	visual

\* general supply specification

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

### Main Scope of Application

- Plastic processing
  - lubricant for PVC
  - carrier material and dispersing aid in pigment and additive concentrations
- Printing inks
  - abrasion prevention
- Lacquers and varnishes
  - Matting agent, abrasion prevention
- Paraffin compounding, candle industry
  - increase of solidification and drop points
- Polishes
  - in solvent-containing and low solvent applications
- Hotmelts
  - viscosity adjustment





<sup>®</sup>  
VISCOWAX

## Status under Food Legislation

VISCOWAX<sup>®</sup> 123 has been licensed for the manufacture of consumer goods for the contact with food in several cases.

- EU: 2002/72/EC, 2005/79/EC
- USA: FDA CFR 21 § 177.1520

## Form of Delivery, Packaging and Storage

VISCOWAX<sup>®</sup> 123 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.

## Safety and Environment

VISCOWAX<sup>®</sup> 123 has not been classified as hazardous materials 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.

Please refer to the Safety Material Data Sheet for further safety-relevant information.

Please do not hesitate to contact us for further details.

**Innospec Leuna GmbH**  
**Postfach 1111, D-06234 Leuna, Germany**  
**Tel.: +49(0)3461-434065**  
**Fax : +49(0)3461-434070**  
**E-mail: [leuna@innospecinc.com](mailto:leuna@innospecinc.com)**  
**[www.innospecinc.com](http://www.innospecinc.com)**

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.