



VISCOWAX® 271

Oxidised PE-Wax

CAS Number: 68441 - 17 - 8

VISCOWAX® 271 – high quality oxidised, polar polyethylene wax.

Characteristics	Reference Value	Units	Test Method
Acid Value*	19-25	mg KOH/g	DGF M-IV 2
Viscosity @ 140°C *	100-250	mm ² /s	DGF M-III 8
Drop Point *	101-107	°C	DGF M-III 3
Solidification Point	91-97	°C	DGF M-III 4a
Needle Penetration	≤ 4	10 ⁻¹ mm	DGF M-III 9b
Density	0.94-0.96	g/cm ³	DIN EN ISO 1183, C
Molecular weight (Mn)	1500	g/mol	GPC
Saponification value	> 35	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.

Main Scope of Application

- **Plastic processing**
 - Lubricant for PVC-processing
- **Paraffin compounding, candle industry**
 - Increase on drop point
 - Improvement of release effect and surface gloss

Applications as water-based Emulsions:

- **Textile Industry**
 - Plasticizer component
 - Improvement of cross-linking properties, tear resistance and smoothing of fabrics
 - Slip agent for sewing threads
- **Paper Industry**
 - For surface finishing
- **Die-casting Industry**
 - As release agent
- **Water-based varnishes**
 - As hydrophobing agent
- **Water-based polishes, e.g.**
 - Floor, shoe, furniture polishes



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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)

Form of Delivery, Packaging and Storage

VISCOWAX® 271 is shipped palletised (preferably 750 kg each) and shrink-wrapped as dust-free powder in 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® 271 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. 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
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.