

# Licowax PE 190 powder

Edition 11.11.2013

## High molecular, high density polyethylene wax

**Product-No.:** 105213      **CAS-No.:** [9002-88-4]      **Version:** 6

### Product Description

High molecular, high density polyethylene wax

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### Delivery specifications and (\*) general properties

| Characteristics      | Unit                 | Target value | Test method        |
|----------------------|----------------------|--------------|--------------------|
| Appearance           |                      | white powder | QM-AA-634          |
| Acid value           | [mg KOH/g]           | 0            | ISO 2114           |
| Saponification value | [mg KOH/g]           | 0            | ISO 3681           |
| *Viscosity           | [mPa·s]              | ~ 25000      | DIN 53019 at 140°C |
| Softening point      | [°C]                 | 132 - 138    | ASTM D 3104        |
| *Density (23°C)      | [g/cm <sup>3</sup> ] | ~ 0,96       | ISO 1183           |

### Delivery form

Powder

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### Packaging

Polyethylene bag 15 kg  
 Pallet 750 kg (50 bags)

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### Storage

For best shelf life, store this product in a dry area at normal ambient temperatures. Minimum shelf life is 2 years from the date of shipping when properly stored.

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### Hazards

### Main applications

Licowax PE 190 is an external lubricant especially for rigid PVC applications. Licowax PE 190 provides excellent anti-sticking properties to the PVC melt and it can also be used as an internal lubricant for polyolefins to provide flow improvement of polyolefin compounds.

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### Status under food legislation

EU: All components listed in Annex I, Table 1 of Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (no SML).  
 FDA: 21 CFR §§ 175.105, 175.300, 177.1520 (c) 2.1, 2.2, 2.3 (further notifications available).  
 Declarations regarding the requirements and specifications of several regulations and standards are available including: Directive 2011/65/EU (RoHS), CONEG's "toxics in packaging", EN 71-3 ("safety of toys – migration of certain elements"), Directive 94/62/EC ("packaging and packaging waste").  
 For further information please contact your Clariant representative.

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### Ecological and toxicological properties

The product does not require a hazard warning label according to the German federal regulations of hazardous substances (GefStoffV).  
For further information please refer to the material safety data sheet.

Acute oral toxicity LD50: >2000 mg/kg (rat)  
Insoluble in water  
No harmful effects to fish and bacteria.

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For all specifications, deliveries and services the following applies:  
[Disclaimer](#)

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