

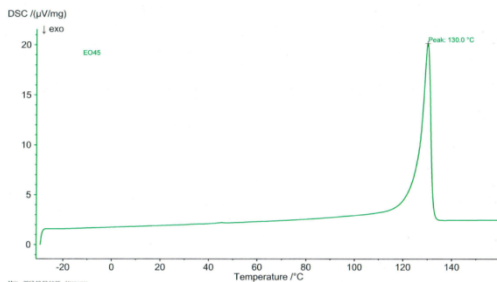
## DEUREX® EO 4530 M

### TECHNICAL INFORMATION

- Chemical description:** Micronized oxidized HDPE
- Benefits:** DEUREX® EO 45 probably the hardest wax in the world
- Applications:**
- Flexo- and gravure inks
  - Lithographic paste inks
  - Heat set
  - Used in water-based-coatings and inks,
  - UV/EB cured coatings and inks
  - Dry-film lubricants and thinner film applications
  - Powder coatings
- Properties:**
- High temperature stability
  - Outstanding abrasion resistance and toughness
  - Very good blocking resistance
  - Friction coefficient might be the best choice from all waxes
  - Excellent antisetling and antifoaming properties
  - Highly compatible with aqueous-based systems
  - Non sticky, free flowing matting lubricant

**Technical data:**

Colour: White  
Consistencies: **DEUREX® EO 4530 M** = Micronized powder



	Minimum	Maximum	Method
Particle size*:		98% < 30 µm	LV 5
Typical value:		50% ~ 9 µm	(DIN ISO 13320)
Drop point*:	132 °C	135 °C	LV 12 (DGF M-III 3)
Penetration:		1.0 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)
Density (23 °C):	0.97 g/cm <sup>3</sup>	0.99 g/cm <sup>3</sup>	LV 3 (DIN EN ISO 1183)

\* Part of certificate of analysis

**Approvals:**

DEUREX® EO 4530 M is approved for the production of commodities intended to come into contact with food.  
EU: Regulation (EU) 10/2011  
USA: FDA 21 CFR §§ 175.105, 176.180, 176.200, 176.210, 177.2800  
(Approvals with regard to limitations and migration values in the final application)

**Alternative products :**

**BIOMER® 130** – Biodegradable high melting wax

**Alternative delivery forms:**

**DEUREX® EO 45 K** – Fine granules  
**DEUREX® EO 45 A** – Fine powder, 98% < 150 µm  
**DEUREX® EO 4520 M** – Micronized powder powder, 98% < 20 µm  
**DEUREX® EO 4545 M** – Micronized powder powder, 98% < 45 µm  
**DEUREX® EO 4560 M** – Micronized powder powder, 98% < 60 µm  
**DEUREX® EO 4501 W** – Water based emulsion of a oxidized HDPE  
**DEUREX® EO 4508 W** – Water based disperison of a oxidized HDPE

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.  
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