

## DEUREX® EO 4545 M

### TECHNICAL INFORMATION

**Chemical description:** Micronized oxidized HDPE wax

**Benefits:** - High temperature stability

**Applications:**

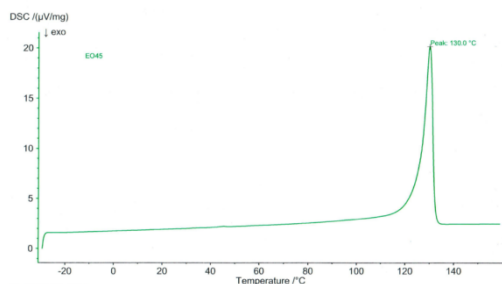
- Lithographic paste ink
- Used in water-based-coatings and inks,
- UV/EB cured coatings and inks
- Flexo and gravure inks
- Dry-film lubricants and thinner film applications
- Processing aid and gloss reducer in powder coatings

**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

**Technical data:** Colour: White  
Consistencies: **DEUREX® EO 4545 M** = Micronized powder

	Minimum	Maximum	Method
Particle size*:		98% < 45 µm	LV 5
Typical value:		50% ~ 13 µm	(DIN ISO 13320)
Drop point*:	125 °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/cm³	0.99 g/cm³	LV 3 (DIN EN ISO 1183)
Shelf life:	24 month (In closed, original containers in compliance with storage conditions)		



\* Part of certificate of analysis

**Approvals:** DEUREX® EO 4545 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 delivery forms:**

**DEUREX® EO 45 K** – Fine granules

**DEUREX® EO 45 P** – Powder

**DEUREX® EO 4545 M** – Micronized powder, < 45 µm

**DEUREX® EO 4501 W** – Water based emulsion of a oxidized HDPE

**DEUREX® EO 4508 W** – Water based dispersion of a oxidized HDPE