

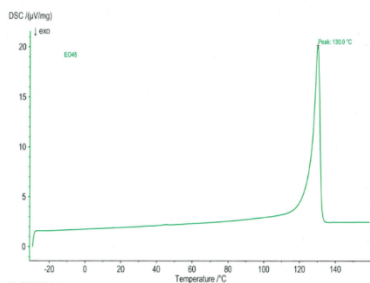
DEUREX® EO 4520 M

TECHNICAL INFORMATION

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

Technical data:

Colour: White
Consistencies: **DEUREX® EO 4520 M** = Micronized powder



	Minimum	Maximum	Method
Particle size*:		98% < 20 µm	LV 5
Typical value:		50% ~ 7 µm	(DIN ISO 13320)
Drop point:	137 °C	139 °C	LV 12 (DGF M-III 3)
Acid value*:	24 mgKOH/g	26 mgKOH/g	DIN EN ISO 2114
Penetration:		1.0 mm*10 ⁻¹	LV 4 (DIN 51579)
Density (23 °C):	0.97 g/cm ³	0.99 g/cm ³	LV 3 (DIN EN ISO 1183)

* Part of certificate of analysis

Approvals:

DEUREX® EO 4520 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 A – Fine powder, 98% < 150 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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