

DEUREX® EO 4515 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

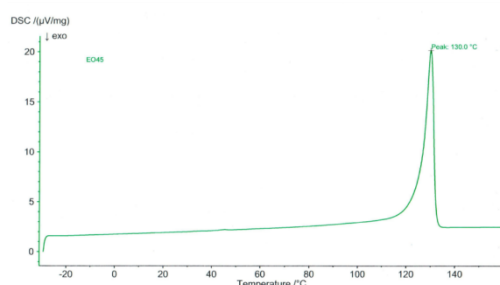
Properties:

- 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 4515 M** = Micronized powder



	Minimum	Maximum	Method
Particle size*:		98% < 15 µm	LV 5
Typical value:		50% ~ 6 µm	(DIN ISO 13320)
Drop point*:	132 °C	135 °C	LV 12 (DGF M-III 3)
Penetration:		0.5 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:

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 P – Powder

DEUREX® EO 4520 M – Micronized powder powder, 98% < 20 µm

DEUREX® EO 4530 M – Micronized powder powder, 98% < 30 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