DEUREX® EO 4545 M

TECHNICAL INFORMATION

Chemical description: Micronized oxidized HDPE wax

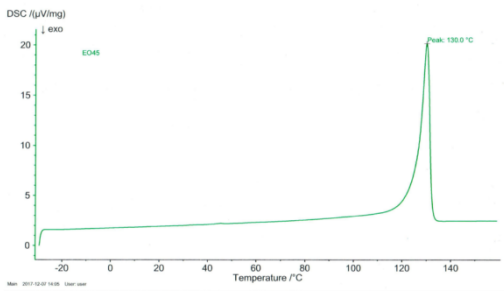
Benefits: DEUREX® EO 45 probably the hardest wax in the world

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 antisettling and antifloating properties
- Highly compatible with aqueous-based systems

Technical data:

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



	Minimum	Maximum	Method
Particle size*: Typical value:		98% < 45 µm 50% ~ 13 µm	LV 5 (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/cm³	0.99 g/cm³	LV 3 (DIN EN ISO 1183)

* Part of certificate of analysis

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 4515 M – Micronized powder, 98% < 15 µm
DEUREX® EO 4520 M – Micronized powder, 98% < 20 µm
DEUREX® EO 4530 M – Micronized powder, 98% < 30 µm
DEUREX® EO 4560 M – Micronized powder, 98% < 60 µm
DEUREX® EO 4501 W – Water based emulsion of a oxidized HDPE
DEUREX® EO 4508 W – Water based dispersion of a oxidized HDPE

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