

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 antisettling and antifloating properties
 Highly compatible with aqueous-based systems

- Non sticky, free flowing matting lubricant

Technical data: Colour: White

Consistencies: **DEUREX® EO 4515 M** = Micronized powder

DSC /(μV/mg) ↓ exo							
20	EO	15						Peak: 130.0 °C
15								
10								
5								
0	1		,					
Main 2017-	-20 12-07 14:05 User: user	0	20	40	60 80 Temperature /°C	100	120	140

	Minimum	Maximum	Method
Particle size*: Typical value:		98% < 15 μm 50% ~ 6 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

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

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Revision: