

DEUREX® EO 4545 M

TECHNICAL INFORMATION

Chemical description: Micro-sized oxidized HDPE

Applications: - Used in water-based-coatings and inks,

UV/EB cured coatings and inks

- Flexo and gravure inks

- Overprint varnishes

- Dry-film lubricants and thinner film applications

Processing aid and gloss reducer in powder coatings

Properties: - Very high matting efficiency

- Outstanding abrasion resistance and toughness

Very good blocking resistanceReduced coefficient of friction

Excellent antisettling and antifloating propertiesHighly compatible with aqueous-based systems

- External lubricant

Benefits: - Guaranteed maximum particle size and constant and narrow particle size

distribution

Technical data: Colour: White

Consistencies: **DEUREX® EO 4545 M** = Micro-sized 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:		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)
Shelf life:		24 month	_
	(In closed, original containers in compliance with storage conditions)		

^{*} Part of certificate of analysis

Approvals: 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, < 150 µm

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

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