

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 resistance
 - Reduced coefficient of friction
 - Excellent antisetling and antifoaming properties
 - Highly 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