

DEUREX® EO 45

TECHNICAL INFORMATION

Chemical description: Polar oxidized HDPE wax

Applications: Production of water borne emulsions and dispersions for

Textile industry (improved sewability and cutting of textiles)

Care productsCoatings and inks

Paper industry

PVC processing

Increase viscosityFaster gelling

- Improved compatibility

- Best external lubricant by high hardness

- No metal adhesion

Hot melts

- Improved heat resistance

Properties: - Hard polymer and high drop point

- Excellent abrasion resistance and toughness on the surface

- Improves surface properties

- High blocking resistance and UV stability

- AIR CLASSIFICATION PROCESS for the production of very fine particles

Technical data: Color: White to off-white

Delivery form: **DEUREX EO 45 K** = Fine Granules

DEUREX EO 45 A = Finest powder, $98\% < 150 \mu m$

	Minimum	Maximum	Method
Drop point*:	125 °C	135 °C	LV 12
			(DGF M-III 3)
Acid value*:		30 mgKOH/g	DIN EN ISO 2114
Viscosity (160 °C):		4.000 mPas	LV 2
			(DIN EN ISO3104)
Penetration:		1 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: DEUREX® EO 45 is approved for the production of commodities intended to

come into contact with food.

EU: Regulation (EU) 10/2011 USA: FDA CFR §§ 175.105, 176.180, 176.200

(Approvals with regard to limitations and migration values in the final application)

Alternative delivery forms: DEUREX® EO 4520 M – Micro-sized HDPE powder, 98% < 20 µm

DEUREX® EO 4501 W – Water-based HDPE emulsion, $98\% < 1 \ \mu m$ **DEUREX® EO 4508 W** – Water-based HDPE dispersion, $98\% < 8 \ \mu m$ **DEUREX® EO 44 K** – HDPE with lower acid number < 16 mgKOH/g

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.

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