

## DEUREX® EO 44

### TECHNICAL INFORMATION

**Chemical description:**

Oxidized HDPE

**Applications:**

PVC processing

- No metal adhesion
- Metal release agent
- Fusion control for PVC formulations
- Improved compatibility

PVC applications

- No effect on transparency and clarity
- Very effective for use in processing PVC regrind

**Properties:**

- External lubricant
- Hard polymer and high drop point
- Excellent abrasion and mar resistance
- Lowering the coefficient of friction
- Excellent toughness on the surface
- Improves surface properties

**Technical data:**

Color: White to off-white  
Delivery form: **DEUREX EO 44 K** = Fine Granules

	Minimum	Maximum	Method
Drop point*:	130 °C	140 °C	LV 12 (DGF M-III 3)
Congealing point:	125 °C	135 °C	LV 12 (DGF M-III 3)
Acid value*:		16 mgKOH/g	DIN EN ISO 2114
Viscosity (160 °C):		8.500 mPas	LV 2 (DIN EN ISO3104)
Penetration:		1 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)
Density (23 °C):	0.97 g/cm <sup>3</sup>	0.99 g/cm <sup>3</sup>	LV 3 (DIN EN ISO 1183)

\* Part of certificate of analysis

**Approvals:**

DEUREX® EO 44 K is approved for the production of commodities intended to come into contact with food.

EU: Regulation (EU) 10/2011

USA: FDA CFR §§ 172.260, 175.105, 175.125, 175.300, 175.320, 176.170, 176.180, 176.200, 176.210, 177.1200, 177.1210, 177.1620, 177.2600, 177.2800, 178.3570, 178.3850

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

**Alternative delivery forms:**

**DEUREX® EO 45 K** – HDPE wit higher acid number < 30 mgKOH/g

**DEUREX® EO 4501 W** – Water-based HDPE emulsion, 98% < 1 µm

**DEUREX® EO 4508 W** – Water-based HDPE dispersion, 98% < 8 µm

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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