

DEUREX® EO 44 K

TECHNICAL INFORMATION

- Chemical description:** Oxidized HDPE
- Applications:** PVC and other plastics
- Can be used in all U-PVC and P-PVC applications but also in C-PVC
- Properties:** Partially internal and external wax, highly effective which
- Accelerate fusion,
- Increase torque and pressure
- Synergistic effect in combination with non-polar PE waxes by reduction of melt viscosity
- Typical dosages:** Depending on the rheological requirements
- Up to 0.2 phr for PVC
- Up to 0.5 phr for C-PVC

Technical data: Colour: 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 ⁻¹	LV 4 (DIN 51579)
Density (23 °C):	0.97 g/cm ³	0.99 g/cm ³	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)

Additional lubricants: **DEUREX® E 11 K** – Homopolymerized PE-Wachs
DEUREX® EO 40 K – Oxidized LDPE wax
DEUREX® T 39 K – Fischer Tropsch wax
DEUREX® TO 80 G – Oxidized Fischer Tropsch wax (Hardparaffin)

Alternative delivery forms: **DEUREX® EO 4501 W** – HDPE emulsion

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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