

DEUREX® EO 40 K

TECHNICAL INFORMATION

- Chemical description:** Oxidized MDPE wax
- 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
- Accelerates fusion,
- Increases 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 0.3 phr for PVC
- Up to 1.5 phr for C-PVC

Typical properties: Colour: Slightly yellow
Delivery form: **DEUREX EO 40 K** = Fine Granules

	Minimum	Maximum	Method
Penetration:	5.0 mm*10 ⁻¹	10.0 mm*10 ⁻¹	LV 4 (DIN 51579)
Viscosity (140 °C):		120 mPas	LV 2 (DIN EN ISO3104)
Drop point*:	98 °C	112 °C	LV 12 (DGF M-III 3)
Density (23 °C):		0.96 g/cm ³	LV 3 (DIN EN ISO 1183)
Acid value*:		19 mgKOH/g	DIN EN ISO 2114

* Part of certificate of analysis

Approvals: DEUREX® EO 40 K is approved for the production of commodities intended to come into contact with food.
EU: Regulation (EU) 10/2011 dated 14. January 2011 – Ref.-No.: 80077
USA: FDA 21 CFR §§ 175.105, 175.300, 176.170, 176.180,
(Approvals with regard to limitations and migration values in the final application)

Additional lubricants: **DEUREX® E 11 K** – Homopolymer PE-wax
DEUREX® EO 44 K – Oxidized HDPE wax
DEUREX® T 39 K – Fischer Tropsch wax
DEUREX® TO 80 G – Oxidized Fischer Tropsch wax (hard paraffin)

Alternative delivery form: **DEUREX® EO 4001 W** – Water-based MDPE wax emulsion, 98% < 1 µm