

## DEUREX® EO 40 K

### TECHNICAL INFORMATION

- Chemical description:** Oxidized LDPE 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  
- 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 0.3 phr for PVC  
- Up to 1.5 phr for C-PVC

**Typical properties:**

Colour: White  
Delivery form: **DEUREX EO 40 K** = Fine Granules

	Minimum	Maximum	Method
Penetration:	5.0 mm*10 <sup>-1</sup>	10.0 mm*10 <sup>-1</sup>	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 <sup>3</sup>	LV 3 (DIN EN ISO 1183)
Acid value:		15 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** – Homopolymerized PE-Wachs  
**DEUREX® EO 44 K** – Oxidized HDPE wax  
**DEUREX® T 39 K** – Fischer Tropsch wax  
**DEUREX® TO 80 G** – Oxidized Fischer Tropsch wax (Hardparaffin)

- Alternative delivery form:** **DEUREX® EO 4001 W** – Water-borne HDPE emulsion