

## **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 PVCUp 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 <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/cm³	LV 3
			(DIN EN ISO 1183)
Acid value*:		19 mgKOH/g	DIN EN ISO 2114

<sup>\*</sup> 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

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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