

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 PVCUp 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 ⁻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/cm³ | 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 – Homopolymered 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

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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Revision: