

## DEUREX® EO 44 K

### TECHNICAL INFORMATION

|                              |   |
|------------------------------|---|
| <b>Chemical description:</b> | Oxidized HDPE wax   |
| <b>Production process:</b>   | Dry Oxidation   |
| <b>Applications:</b>         | <u>PVC and other plastics</u><br>- Can be used in all U-PVC and P-PVC applications but also in C-PVC  |
| <b>Properties:</b>           | Partially internal and external wax, highly effective wax<br>- Accelerates fusion<br>- Increases torque and pressure<br>- Synergistic effect in combination with non-polar PE waxes by reduction of melt viscosity<br>- Very effective for the use in processing PVC regrind<br>- Dust free |
| <b>Typical dosages:</b>      | Depending on the rheological requirements:<br>- Up to 0.2 phr for PVC<br>- Up to 0.5 phr for C-PVC  |

|                        |                |                       |                 |
|------------------------|----------------|-----------------------|-----------------|
| <b>Technical data:</b> | Colour:        | Off-white             |                 |
|                        | Delivery form: | <b>DEUREX EO 44 K</b> | = Fine granules |

|                     | Minimum                | Maximum                 | Method      |
|---------------------|------------------------|-------------------------|-------------|
| Drop point:         | 137 °C                 | 139 °C                  | ASTM D 3954 |
| Acid value*:        | 15 mgKOH/g             | 17 mgKOH/g              | ASTM D 1386 |
| Penetration:        |                        | 0.5 mm*10 <sup>-1</sup> | ASTM D 1321 |
| Viscosity (150 °C): |                        | 9.000 mPas              | ISO 3219    |
| Density (23 °C):    | 0.97 g/cm <sup>3</sup> | 0.99 g/cm <sup>3</sup>  | ISO 1183    |

\* Part of certificate of analysis

**Approvals:** Food contact approvals

**Alternative products:** See <https://www.deurex.com/productsearch/DEUREX-EO-44-K/>