DEUREX® EO 44 K

TECHNICAL INFORMATION

Chemical description: Oxidized HDPE

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 0.2 phr for PVC
- Up to 0.5 phr for C-PVC

Technical data:

<table>
<thead>
<tr>
<th>Property</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drop point</td>
<td>130 °C</td>
<td>140 °C</td>
<td>LV 12 (DGF M-III 3)</td>
</tr>
<tr>
<td>Congealing point</td>
<td>125 °C</td>
<td>135 °C</td>
<td>LV 12 (DGF M-III 3)</td>
</tr>
<tr>
<td>Acid value*</td>
<td>16 mgKOH/g</td>
<td></td>
<td>DIN EN ISO 2114</td>
</tr>
<tr>
<td>Viscosity (160 °C)</td>
<td>8,500 mPas</td>
<td></td>
<td>LV 2 (DIN EN ISO3104)</td>
</tr>
<tr>
<td>Penetration</td>
<td>1 mm*10^-1</td>
<td></td>
<td>LV 4 (DIN 51579)</td>
</tr>
<tr>
<td>Density (23 °C)</td>
<td>0.97 g/cm³</td>
<td>0.99 g/cm³</td>
<td>LV 3 (DIN EN ISO 1183)</td>
</tr>
</tbody>
</table>

* Part of certificate of analysis

Approvals: DEUREX® EO 44 K is approved for the production of commodities intended to come into contact with food.
- EU: Regulation (EU) 10/2011
- USA: FDA CFR §§ 172.260, 175.105, 175.125, 175.300, 175.320, 176.170, 176.180, 176.200, 176.210, 177.1200, 177.1210, 177.1620, 177.2600, 177.2800, 178.3570, 178.3850

(Approvals with regard to limitations and migration values in the final application)

Additional lubricants: DEUREX® E 11 K – Homopolymered PE-Wachs
DEUREX® EO 40 K – Oxidized LDPE wax
DEUREX® T 39 K – Fischer Tropsch wax
DEUREX® TO 80 G – Oxidized Fischer Tropsch wax (Hardparaffin)

Alternative delivery forms: DEUREX® EO 4501 W – HDPE emulsion