DEUREX® TO 80 G

TECHNICAL INFORMATION

Chemical description: Oxidized linear structured Fischer-Tropsch-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,
- Decreases torque and increases pressure
- Synergistic effect in combination with non-polar PE waxes
  by reduction of melt viscosity
- Useful in combination with tin stabilisers

Typical dosages: Depending on the rheological requirements
- Up to 0.5 phr in combination with calcium-zinc
- Up to 1.0 phr in combination with tin

Technical data:

<table>
<thead>
<tr>
<th>Property</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Congealing point*</td>
<td>97 °C</td>
<td>103 °C</td>
<td>LV 12 (DGF M-III 3)</td>
</tr>
<tr>
<td>Acid value*</td>
<td>2 mgKOH/g</td>
<td>4 mgKOH/g</td>
<td>DIN EN ISO 2114</td>
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<tr>
<td>Viscosity (140 °C)</td>
<td>20 mPas</td>
<td></td>
<td>LV 2 (DIN EN ISO3104)</td>
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<tr>
<td>Penetration</td>
<td>1.0 mm*10^-1</td>
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<td>LV 4 (DIN 51579)</td>
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<tr>
<td>Density (23 °C)</td>
<td>0.94 g/cm³</td>
<td>0.95 g/cm³</td>
<td>LV 3 (DIN EN ISO 1183)</td>
</tr>
</tbody>
</table>

*Part of certificate of analysis

Additional lubricants: DEUREX® E 11 K – Homopolymered PE-Wachs
DEUREX® EO 40 K – Oxidized LDPE wax
DEUREX® EO 44 K – Oxidized HDPE wax
DEUREX® T 39 K – Fischer Tropsch wax

Alternative delivery form: DEUREX® T 3901 W – Fischer-Tropsch-wax emulsion