TECHNICAL INFORMATION

Chemical description: Fischer-Tropsch wax

Applications:
- Hot melts
  - Adjustment of open time
  - Improved Adhesion, no stringing
- PVC
  - External lubricant
- Rubber
  - Protection against sun light an ozone
- Raw material to produce micronized waxes
- Paints and coatings
- Increased scratch resistance and slip

Benefits:
- Crystalline wax with very narrow C-chain distribution
- Very fast solidification point at 105 °C

Technical data:

<table>
<thead>
<tr>
<th>Properties</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drop point*</td>
<td>112 °C</td>
<td>120 °C</td>
<td>LV 12 (DGF M-III 3)</td>
</tr>
<tr>
<td>Acid value</td>
<td>0 mgKOH/g</td>
<td></td>
<td>DIN EN ISO 2114</td>
</tr>
<tr>
<td>Viscosity (140 °C)*</td>
<td>20 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>0.94 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

Approvals:
DEUREX® T 49 is approved for the production of commodities intended to come into contact with food.
FRG: BfR recommendation XXV
USA: FDA 21 CFR §§ 175.105, 175.250, 175.300, 175.320, 176.170, 176.180, 177.1200, 177.1390
(Approvals with regard to limitations and migration values in the final application)

Alternative delivery form: DEUREX® T 4915 M – Micro-sized powder, < 15 µm
DEUREX® TO 81 G – Hydrophilic oxidized FT-wax