DEUREX® T 19

TECHNICAL INFORMATION

Chemical description: Fischer Tropsch wax

Applications:
- Hot melts: Adjustment of open time
- PVC: Internal and external lubricant
- Rubber: Protection against sun light and ozone
- Raw material for Emulsions
- 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 80 °C

Technical data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>White</td>
<td></td>
<td></td>
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<tr>
<td>Delivery forms</td>
<td>DEUREX® T 19 G = Granules</td>
<td></td>
<td></td>
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<tr>
<td>Drop point*</td>
<td>83 °C</td>
<td>91 °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 2114</td>
</tr>
<tr>
<td>Viscosity (140 °C)*</td>
<td></td>
<td>15 mPas</td>
<td>LV 2 (DIN EN ISO 3104)</td>
</tr>
<tr>
<td>Penetration</td>
<td>6 mm*10⁻¹</td>
<td>9 mm*10⁻¹</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>
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</table>

* Part of certificate of analysis

Approvals:
DEUREX® T 19 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, 175.170, 176.180, 177.1200, 177.1390
(Approvals with regard to limitations and migration values in the final application)

Alternative delivery form:
- DEUREX® T 1915 M – Micro-sized powder, < 98 % < 15 µm
- DEUREX® T 1901 W – Water-based emulsion, 98 % < 1 µm