DEUREX® T 3920 M

TECHNICAL INFORMATION

Chemical description: Micro-sized Fischer-Tropsch wax

Production process: Air classification process

Applications:
- Powder coatings, can coatings, industrial and wood coatings
- Printing inks
- Gravure, flexo and overprinting inks

Properties:
- High melting point
- Excellent abrasion and scratch resistance
- Very good chemical and weather resistance
- Improved UV-resistance and anti-blocking properties

Benefits:
- Very fast solidification point at 100 °C
- Guaranteed maximum particle size and constant and narrow particle size distribution
- Easily dispersible without lump or coagulate formation

Technical data:

<table>
<thead>
<tr>
<th>Property</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particle size*</td>
<td>98 % &lt; 20 μm</td>
<td>50 % ~ 8 μm</td>
<td>LV 5 (DIN ISO 13320)</td>
</tr>
<tr>
<td>Typical value:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drop point*</td>
<td>110 °C</td>
<td>120 °C</td>
<td>LV 12 (DGF M-III 3)</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 ISO 1183)</td>
</tr>
</tbody>
</table>

* Part of certificate of analysis

Approvals:
DEUREX® T 3920 M is approved for the production of commodities intended to come into contact with food.
EU: Regulation (EU) 10/2011 dated 14th January 2011 – Ref.-No.: 80000
BRD: 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 forms:
- DEUREX® T 39 K – Fine granules
- DEUREX® T 39 A – Finest powder, < 150 μm
- DEUREX® T 3915 M – Micro-sized powder, < 15 μm
- DEUREX® T 3908 W – Water-based dispersion
- DEUREX® T 3912 O – Oil-based dispersion
- DEUREX® TO 8120 M – Hydrophilic oxidized FT-wax