CERETAN MM 8220

TECHNICAL INFORMATION

Chemical description: Spherical, micronized, partially saponified montan wax (montan wax “OP”)

Application: Paints and coatings of high quality, such as powder and can coatings, car and industrial paints, furniture and floor coatings as well UV curable systems

Printing inks of high quality, such as overprint, screen printing, flexographic, offset and intaglio inks

Polar pigment concentrates (e.g. PA, PC, PET, PVC and PS)

Properties:

In paints and coatings:
- Excellent matting effect
- Ideal surface properties
- Wax density ca. 1.00 g/cm³ analogue to water and oils, ideal for low surfactant formulations
- Very good adhesion on uneven, porous, flexible and soft grounds
- Less hydrophobic than other micronized waxes
- For hydrophilic systems/pigments

In Masterbatch:
- Dispersing agent
- Lubricant
- 100 to 400 times smaller particles compared to course powder (e.g. “Montan wax OP powder”)

Advantages:
- Spherical particle shape made by unique spraying technology
- Specified maximum particle size (D99 value), narrow and uniform particle size distribution
- Easy to disperse due to spherical particle shape

In Masterbatch:
- Reduced filter pressure → increased capacity
- Significant increase in colour output → reduction of pigment costs by 10 to 20 %
- Reduced level of addition of pigments/waxes
Technical data:

<table>
<thead>
<tr>
<th></th>
<th>Colour:</th>
<th>white (slightly yellow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consistency:</td>
<td>fine powder</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particle size(^a)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specified value:</td>
<td>99% &lt; 20 µm</td>
<td>LV 5</td>
<td>(ISO 13320)</td>
</tr>
<tr>
<td>Typical value:</td>
<td>50% &lt; 7 µm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drop point:</td>
<td>96 °C</td>
<td>104 °C</td>
<td>LV 12</td>
</tr>
<tr>
<td>Shelf life:</td>
<td>12 months</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^a\) part of certificate of analysis

Our technical suggestions are based on data from many experiments and cannot represent a warranty of any kind as to their performance in other formulations. Customers must always verify our product’s performance in their own systems. This technical data sheet replaces all previous issues.