CERETAN® MM 8120

TECHNICAL INFORMATION

Chemical description: Spherical, micronized montan wax (montan wax "E")

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:
- 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 coarse powder (e.g. "Montan wax E 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
## CERETAN® MM 8120

### Technical data:

- **Colour:** white (light yellow)
- **Consistency:** fine powder

<table>
<thead>
<tr>
<th>Property</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
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</thead>
<tbody>
<tr>
<td><strong>Particle size</strong></td>
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<tr>
<td>Specified value</td>
<td>99% &lt; 20 µm</td>
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<td>LV 5</td>
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<tr>
<td>Typical value</td>
<td>50% &lt; 7 µm</td>
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<td>(ISO 13320)</td>
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<tr>
<td><strong>Drop point</strong></td>
<td>79 °C</td>
<td>89 °C</td>
<td>LV 12</td>
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<td>(DGF M-III 3)</td>
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<tr>
<td><strong>Shelf life</strong></td>
<td>12 months</td>
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<tr>
<td></td>
<td>(Stored in sealed original packing below 35 °C)</td>
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*part of certificate of analysis*