Minbar®
Highly durable white barytes for industrial applications
Minbar® – High Quality White Baryte from Omya

Minbar® is produced from carefully selected white, naturally occurring, baryte.

Minbar® white barytes are used as a white extender leading to higher density and improved chemical resistance of industrial coating systems. Powder coatings will also benefit from the use of Minbar® white barytes in terms of optical properties and durability.

Minbar® white baryte fillers are mainly used for paint & coating applications such as sandable primers, durable high gloss finishes, industrial, marine and powder coatings. They provide the following features:

- bright white
- high in density
- high in refractive index
- low in oil absorption

Benefits

- Gloss control by tightly controlled particle size distribution
- Excellent corrosion protection by chemical inertness and insolubility
- High durability and increased life cycle for exterior coatings

Applications

- Marine coatings
- Powder coatings
- Anti-corrosion primers
- Automotive dip primers
- Industrial coatings
- Heavy concrete

Using high quality Minbar® white barytes in anticorrosion formulations can result in savings of 15 to 35% of the annual cost of corrosion, which corresponds to roughly 3.4% of the world’s gross domestic product. In addition, Minbar® white barytes contribute to the aesthetics of the coating in terms of gloss and color brilliance.

Minbar® Product Offerings and Typical Properties

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th>45A</th>
<th>25A</th>
<th>15A</th>
<th>14A</th>
<th>12A</th>
<th>07A</th>
<th>05A</th>
<th>04A</th>
<th>03A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top cut D97% (μm)</td>
<td>44</td>
<td>37</td>
<td>20</td>
<td>18</td>
<td>14</td>
<td>7.3</td>
<td>4.4</td>
<td>3.3</td>
<td>3</td>
</tr>
<tr>
<td>Median particle size D50% (μm)</td>
<td>9</td>
<td>7.5</td>
<td>5.5</td>
<td>4</td>
<td>3.8</td>
<td>2.5</td>
<td>1.8</td>
<td>1.5</td>
<td>1.3</td>
</tr>
<tr>
<td>Brightness R457 (%)</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>92</td>
<td>92</td>
<td>92</td>
<td>93</td>
</tr>
</tbody>
</table>

Composition

<table>
<thead>
<tr>
<th>Composition</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>BaSO4</td>
<td>97</td>
</tr>
<tr>
<td>CaO</td>
<td>0.5</td>
</tr>
<tr>
<td>Water Soluble Salts</td>
<td>0.2</td>
</tr>
</tbody>
</table>

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