Almatis Alumina CT3000 LS SDP is a special purpose Spray-Dried low soda high reactive alumina Powder for direct use in both isostatic and uniaxial pressing. It combines high fired density with very low impurities of soda, calcia and silica.

### Chemical Composition

<table>
<thead>
<tr>
<th></th>
<th>typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al₂O₃</td>
<td>99.8 [%]</td>
</tr>
<tr>
<td>Na₂O</td>
<td>0.02 [%]</td>
</tr>
<tr>
<td>Fe₂O₃</td>
<td>0.02 [%]</td>
</tr>
<tr>
<td>SiO₂</td>
<td>0.02 [%]</td>
</tr>
<tr>
<td>MgO</td>
<td>0.05 [%]</td>
</tr>
</tbody>
</table>

### Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific surface area / BET</td>
<td>7.3 m²/g</td>
</tr>
<tr>
<td>Primary crystal Size / D50 Cilas</td>
<td>0.4 µm</td>
</tr>
<tr>
<td>Granule size, d50</td>
<td>150 µm</td>
</tr>
<tr>
<td>Particle size / sieve &gt;63µm</td>
<td>90%</td>
</tr>
<tr>
<td>L.O.I.</td>
<td>2%</td>
</tr>
<tr>
<td>Moisture</td>
<td>0.3%</td>
</tr>
</tbody>
</table>

### Ceramic Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green density</td>
<td>2.32 g/cm³</td>
</tr>
<tr>
<td>Fired density (1600°C)</td>
<td>3.91 g/cm³</td>
</tr>
<tr>
<td>Shrinkage (1600°C)</td>
<td>16.5%</td>
</tr>
</tbody>
</table>

All data are based upon Almatis standard test methods. The typical properties are based upon the actual averages from production data.
CT 3000 LS SDP

Standard Packaging

• 50kg fibre drums, 300kg per palette
• 1000 kg octotainer shrink wrapped

Contacts for sales, technical information and application assistance

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