# Magnesium aluminum spinel

**CERALIT AMS-78**

**0-0,25 mm**

## Parameter

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>MAX</th>
<th>Typical value</th>
<th>MIN</th>
<th>Testing method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical composition</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass fraction <strong>Al₂O₃</strong></td>
<td>%</td>
<td>80</td>
<td>78</td>
<td>76</td>
<td>GOST 2642.4-97, GOST R 55410-2013</td>
</tr>
<tr>
<td>Mass fraction <strong>MgO</strong></td>
<td>%</td>
<td>24</td>
<td>21</td>
<td>19</td>
<td>GOST 21642.8-97, GOST R 55410-2013</td>
</tr>
<tr>
<td>Mass fraction <strong>SiO₂</strong></td>
<td>%</td>
<td>0,09</td>
<td>0,07</td>
<td>19</td>
<td>GOST 2642.3-97, GOST R 55410-2013</td>
</tr>
<tr>
<td>Mass fraction <strong>Na₂O</strong></td>
<td>%</td>
<td>0,4</td>
<td>0,25</td>
<td></td>
<td>GOST 2642.11-97, GOST R 55410-2013</td>
</tr>
<tr>
<td>Mass fraction Fe&lt;sub&gt;magnetic&lt;/sub&gt;</td>
<td>%</td>
<td>0,025</td>
<td>0,015</td>
<td></td>
<td>Domestic technique</td>
</tr>
<tr>
<td><strong>Physical properties</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apparent density</td>
<td>g/cm³</td>
<td>3,25</td>
<td>3,2</td>
<td></td>
<td>GOST 18847-84</td>
</tr>
<tr>
<td>Open porosity</td>
<td>%</td>
<td>9,0</td>
<td>7,5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Absorption of water</td>
<td>%</td>
<td>2,5</td>
<td>2,2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Grain composition fraction

<table>
<thead>
<tr>
<th>Percentage</th>
<th>0-0,25 mm</th>
<th>&gt;0,25 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100%</td>
<td>0-10%</td>
<td></td>
</tr>
</tbody>
</table>

## Packaging:

«big-bag» for 1000 - 2000 kg