Plastic Forming Clays (Ball Clay)
HC90

Feature and Benefits
It is produced with refined clays selected for their low residue and excellent suspension and rheological properties. Predictable forming and firing properties, including moisture retention, firmness and strength, and white fired color make a valuable best body component in decorative wares and table wares. It is processed and sized under strict quality assurance programs. The result is consistent chemistry with uniform particle size distribution giving controlled rheology properties and predictable firing performance.

Chemical and Analytical Data
Typical mean values. These do not represent a specification. Mean Percent by Weight on Oxide Basis.

<table>
<thead>
<tr>
<th>Element</th>
<th>SiO₂</th>
<th>Al₂O₃</th>
<th>TiO₂</th>
<th>Fe₂O₃</th>
<th>K₂O</th>
<th>Na₂O</th>
<th>CaO</th>
<th>MgO</th>
<th>Loss on Ignition</th>
<th>M.O.R. kgf/cm²</th>
<th>Firing Shrinkage @1200°C</th>
<th>Water Absorption @1200°C</th>
<th>Fired Color @1200°C Whiteness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>47.56</td>
<td>37.13</td>
<td>0.06</td>
<td>0.50</td>
<td>0.27</td>
<td>0.05</td>
<td>0.03</td>
<td>0.07</td>
<td>14.33</td>
<td>57</td>
<td>11.7</td>
<td>8.9</td>
<td>90.1</td>
</tr>
</tbody>
</table>

Particle Size Analysis and Properties
Typical mean values. These do not represent a specification.

<table>
<thead>
<tr>
<th>Laser PSD (%)</th>
<th>D50µm</th>
<th>&lt;10µm</th>
<th>&lt;5µm</th>
<th>&lt;2µm</th>
<th>Product Form</th>
<th>Moisture Content (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.08</td>
<td>80.57</td>
<td>58.79</td>
<td>22.13</td>
<td>Noodle</td>
<td>20±2</td>
</tr>
</tbody>
</table>

Packing
50kg PP bags, 1000kg bags.

Country of Origin: China