ULTRA-TEK 97 SP
SUPERIOR HOT STRENGTH, HIGH PURITY
ALUMINA PUMPABLE MIX WITH SPINEL

PHYSICAL PROPERTIES

Maximum Service Temperature 3300°F
Lbs. Required Dry Mix per Cu. Ft. 195 lbs.
Bulk Density After Drying 200 lbs./cu.ft

Modulus of Rupture
- After Drying 2500 psi
- HMOR At 1500°F 1550 psi
- HMOR At 2500°F 3000 psi

Cold Crushing Strength
- After 1500°F 7500 psi
- After 2600°F 22500 psi

Apparent Porosity After 2500°F 16%

Permanent Linear Change
- After 1500°F 0.0%
- After 2600°F +0.4%

CHEMICAL ANALYSIS

<table>
<thead>
<tr>
<th>Component</th>
<th>Formula</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica</td>
<td>[SiO₂]</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Alumina</td>
<td>[Al₂O₃]</td>
<td>97.1%</td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>[MgO]</td>
<td>1.2%</td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>[Fe₂O₃]</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Lime</td>
<td>[CaO]</td>
<td>1.4%</td>
</tr>
</tbody>
</table>

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.