



| ESR | | |
|--|---------------------------------------|------------|
| Raw materials | raw materials | wt% |
| | Silica | ≈75 |
| | Zirconia | 24 |
| | others | ≈1 |
| application proposed | Equiax/SX/DS | |
| Bulk density | g/cm3 | 1,84 |
| apparent porosity (%) | % | 27,5 |
| MOR (Mpa) (Tamb) | MPa | 14+/-0.5 |
| Hot MOR - 1093°C | MPa | 23,7+/-0.5 |
| RUL - 1093°C* <i>*Applied strength 7 MPa</i> | RUL - 1093 °C - Time to peak load (s) | 3,2 |
| | RUL @ 2 mins - 1093 °C (mm) | 0,16 |
| | RUL @ 5 mins - 1093 °C (mm) | 0,22 |
| | | |
| Casting simulation (1510°C – 10°C/min – 5' dwell) | | |
| | | |



| | | | |
|--------------------------|---|---|-------|
| Thermal expansion | at 200 °C | % | 0,01 |
| | at 400 °C | % | 0,06 |
| | at 600 °C | % | 0,09 |
| | at 800 °C | % | 0,13 |
| | at 1000 °C | % | 0,17 |
| | at 1200 °C | % | 0,03 |
| | at 1400 °C | % | -0,02 |
| | at 1500 °C start | % | -0,05 |
| | at 1500 °C end | % | -0,06 |
| | at 1500 °C Shrinkage | % | -0,84 |
| | Linear shirinkage (<i>mould to fired by caliper</i>) | % | |
| Cristobalite | % | | ≈3.7 |
| Leachability | mins | | 90 |

Please note that all values quoted are based on test pieces and may vary according to component design. These values are not guaranteed in anyway whatsoever and should only be treated as indicative and for guidance only

Dedicated website: www.ceramics.salentec.com