



TECHNICAL DATASHEET

C11 LW

| CLASSIFICATION | INSULATING CASTABLE | | |
|--|---|---------------------|------------|
| PHYSICAL PROPERTIES | Max. Service Temperature | ⁰ C | 1100 |
| | Max. Grain Size of Aggregates | mm. | 3 |
| | Approx. Amount of Water Required for Casting | % | 45 - 50 |
| | Bulk Density After Drying at 110 ⁰ C | Kg./m ³ | 900 - 1000 |
| | Modulus of Rupture After Drying at 110 ⁰ C | Kg./cm ² | 15-20 |
| | Cold Crushing Strength After Drying at 110 ⁰ C | Kg./cm ² | 60 |
| | Bulk Density After Heating at 1040 ⁰ C | Kg./m ³ | 900 |
| | Modulus of Rupture After Heating at 1040 ⁰ C | Kg./cm ² | 10-15 |
| | Cold Crushing Strength After Heating at 1040 ⁰ C | Kg./cm ² | 40 |
| | Permanent Linear Change After Heating 1040 ⁰ C | % | -0.5 |
| THERMAL CONDUCTIVITY | at 400 °C | (W/m.K) | 0.25 |
| | at 600 °C | (W/m.K) | 0.30 |
| | at 1000 °C | (W/m.K) | 0.40 |
| CHEMICAL COMPOSITION APPROX. (%) | Alumina (Al ₂ O ₃) | % | 37 |
| | Silica (SiO ₂) | % | 36 |
| | Iron Oxide (Fe ₂ O ₃) | % | 0.5 |
| | Calcium Oxide (CaO) | % | 14 |

The data cannot be used for specification and guarantee purpose – reasonable variances in data can be expected. Product data is update periodically to reflect product / raw material / process / testing changes. Please contact BST's representative for the most updated data.

We are refractory solutions