



PRODUCT INFORMATION SHEET

TUFF-C80

| CLASSIFICATION | High Alumina Low Cement Castable | | |
|---|---|---------------------|-----------|
| PHYSICAL PROPERTIES | Max. Service Temperature | ⁰ C | 1750 |
| | Max. Grain Size of Aggregates | mm. | 5 |
| | Approx. Weight Required for Casting | Kg./m ³ | 2750-2800 |
| | Approx. Amount of Water Required for Casting | % | 5.0-5.5 |
| | Bulk Density After Drying at 110 ⁰ C | Kg./m ³ | 2750-2800 |
| | Modulus of Rupture After Drying at 110 ⁰ C | Kg./cm ² | 150-200 |
| | Cold Crushing Strength After Heating at 110 ⁰ C | Kg./cm ² | 800-1000 |
| | Bulk Density After Heating at 1400 ⁰ C | Kg./m ³ | 2760-2800 |
| | Modulus of Rupture After Heating at 1400 ⁰ C | Kg./cm ² | 230-250 |
| | Cold Crushing Strength After Heating at 1400 ⁰ C | Kg./cm ² | 1000 |
| Permanent Linear Change After Heating 1400 ⁰ C | % | -0.2 | |
| THERMAL CONDUCTIVITY | at 400 °C | (W/m.K) | 2.40 |
| | at 600 °C | (W/m.K) | 2.20 |
| | at 1000 °C | (W/m.K) | 2.05 |
| CHEMICAL COMPOSITION APPROX. (%) | Alumina (Al ₂ O ₃) | % | 80 |
| | Silica (SiO ₂) | % | 15 |
| | Iron Oxide (Fe ₂ O ₃) | % | 1.0 |
| | Lime (CaO) | % | 1.0 |

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