



Monolithic Refractories for Petrochemical Industry

Data Sheet

| Item | | | Light weight castable | | Bubble alumina castable | Corundum castable |
|--|------------|---|--|--|---|--|
| | | | CQNJ-1.0 | CQNJ-1.5 | CLKJ-94 | CGJ-94 |
| Al ₂ O ₃ | % | ≥ | 30 | 45 | 94 | 94 |
| Fe ₂ O ₃ | % | ≤ | ---- | ---- | 0.2 | 0.2 |
| Bulk density (g/cm3) ≥ | 110℃×24hrs | | 1.1 | 1.3 | 1.7 | 2.8 |
| CCS (Mpa) ≥ | 110℃×24hrs | | 1.0 | 5.0 | 10 | 50 |
| Linear change after heating (%) | 1300℃×3hrs | | ±0.3 | ±0.3 | ±0.3 (1500℃×3hrs) | ±0.3 (1500℃×3hrs) |
| Thermal conductivity (W/(m.k), ≤ (Average temperature at350℃) | | | 0.25 | 0.4 | 0.75 | 0.5~1.8 |
| Max. service temperature (℃) ≥ | | | 1000 | 1350 | 1700 | 1750 |
| Application | | | Used as insulating lining materials for heating furnace,two-stage petrochemical furnace and various high temperature kilns | Used as insulating linings for many high temperature kilns | Used as linings of various high temperature kilns in petro-chemical and metallurgy industries | Used as insulating lining materials for heating furnace,two-stage petrochemical furnace and various high temperature kilns |

Note: Technical Data are typical results from test pieces. This information, subject to change, is offered solely for your consideration. Users of our products should make their own tests to determine the suitability of each product for their particular purposes.