

Chrome Corundum Brick

Chrome Corundum Brick, also named alumina chrome brick, are made from fused chromium oxide, alumina, micro powder and other additive according to application request, press, vibration or vibration casting to shape, sintered by high temperature shuttle kiln.

The bricks possess excellent corrosion-resistant against to acid or alkali melts, good wear resistance, good thermal shock resistance and low creep rate.

Typical Application.

Used as the key part of chemistry furnace, glass furnace, ceramic glaze, incinerator, nonferrous smelting furnaces, carbon black reactor, waste acid treatment furnace, gasifier, reheating furnace skid & platform bricks, etc.

Typical Indexes

| Brand | Cr ₂ O ₃ % | Al ₂ O ₃ % | ZrO ₂ % | Bulk Density g/cm ³ | Apparent Porosity % | Cold Crushing Strength MPa | Refractoriness Under Load °C (0.2MPa, 0.6%) |
|-------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------------|------------------------|-------------------------------|--|
| HC93 | ≥93 | | | ≥4.25 | ≤16 | ≥100 | ≥1700 |
| MC-86 | ≥86 | | | ≥4.2 | ≤17 | ≥100 | ≥1700 |
| MC-80 | ≥80 | | | ≥3.7 | ≤16 | ≥120 | ≥1700 |
| CC-70 | ≥70 | | | ≥3.6 | ≤16 | ≥120 | ≥1700 |
| CC-60 | ≥60 | | | ≥3.6 | ≤15 | ≥130 | ≥1700 |
| CC-50 | ≥50 | | | ≥3.5 | ≤16 | ≥120 | ≥1700 |
| CC-30 | ≥30 | | | ≥3,5 | ≤16 | ≥130 | ≥1700 |
| CC-15 | ≥15 | ≥75 | | ≥3.35 | ≤18 | ≥120 | ≥1700 |
| CC-10 | ≥10 | ≥80 | | ≥3.3 | ≤18 | ≥120 | ≥1700 |
| CC-5 | ≥5 | ≥85 | | ≥3.2 | ≤18 | ≥120 | ≥1700 |
| CC-5H | ≥5 | ≥85 | | ≥3.2 | ≤16 | ≥130 | ≥1700 |
| CZC-8 | ≥8 | ≥60 | ≥15 | ≥2.9 | ≤18 | ≥90 | ≥1700 |

All data above are average test results under standard procedure and are subjected to variation. Result should not be used for specification purpose or creating any contractual obligation. For more information on the safety application or materials, please contact with our sales engineer.

