



Epic® 80C

DESCRIPTION: A burned alumina brick based on Bauxite and fortified with chrome ore to provide improved slag resistance. Chrome levels to meet customer demands but 3 and 5% are standard.

USES INCLUDE: EAF roof brick.
Ladle linings.
Kiln brick where aggressive atmospheres persist.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al ₂ O ₃	80.0%
Fe ₂ O ₃	< 5.0%
Cr ₂ O ₃	3.0 - 5.0%

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	22.0
Bulk Density pcf (g/cm ³):	184 (2.75)
Cold Crushing Strength psi (MPa):	8700 (60)

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally and as a function of size and shape. This form is not intended to be used for purposes of specification; it is informational only.

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