



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 % - calcined basis)

Al ₂ O ₃	80.0 %
Fe ₂ O ₃	< 5 %
Cr ₂ O ₃	3.0-5.0 %

TYPICAL AS RECEIVED PROPERTIES:

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

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.

Version 20.11
