



INFORMATION BULLETIN

Epic® 35

DESCRIPTION: General use fireclay brick.

USES INCLUDE: Safety linings.
Structural applications.
Reheat furnaces.
Soaking pits.
Blast furnaces.
Coke ovens.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

Silica	60.0%
Al ₂ O ₃	33.0%
K ₂ O	2.8%
Fe ₂ O ₃	2.2%
TiO ₂	0.8%
MgO	0.5%
CaO	0.4%
Na ₂ O	0.3%

TYPICAL AS RECEIVED PROPERTIES:

Bulk Density (g/cm ³):	1.0
Cold Crushing Strength (MPa):	9.0
Linear Thermal Expansion (%): @ 1000°C	0.5
Permanent Linear Change (%): @ 1330°C	-1.5
Thermal Conductivity (W/mk): @ 400°C	0.32
@ 600°C	0.35
@ 800°C	0.38
@ 1000°C	0.41

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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