



Epic® 45

DESCRIPTION: Super-duty fireclay brick made from high-purity clays.

USES INCLUDE: Furnace linings.
Boilers.
Incinerators.
Safety Linings.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

SiO ₂	50.0 ~ 52.0%
Al ₂ O ₃	> 45.0%
Fe ₂ O ₃	1.5 ~ 2.0%

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	20.0
Bulk Density pcf (g/cm ³):	137 (2.2)
Cold Crushing Strength psi (MPa):	5300 (40)
Refractoriness:	
°C (°F)	1750 (3182)
Under 0.2 MPa °C (°F)	1450 (2642)

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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