

Epic® 35

DESCRIPTION: General use fireclay brick

USES INCLUDE: Safety linings, structural applications, reheat furnaces, soaking pits, blast furnaces, coke ovens

CHEMICAL ANALYSIS:

Approximate % - calcined basis

Al ₂ O ₃	33%
Silica	60%
Fe ₂ O ₃	2.2%
TiO ₂	0.8%
CaO	0.4%
K ₂ O	2.8%
Na ₂ O	0.3%
MgO	0.5%

TYPICAL AS RECEIVED PROPERTIES:

Bulk Density g/cm ³	1
Cold Crushing Strength Mpa	9
Lin. Therm. Expansion at 1000°C	0.5%
Permanent Lin. Change at 1330°C	-1.5%
Thermal conductivity (400 °C) w/mk	0.32
Thermal conductivity (600 °C) w/mk	0.35
Thermal conductivity (800 °C) w/mk	0.38
Thermal conductivity (1000 °C) w/mk	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.

Version 13.12