



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



ESFANJ 32

Classification:	High temp. Insulating Brick
Main Raw Material Component:	Light weight High Alumina
Type Of Bond:	Ceramic
P.C.E .(Equivalent temperature)	>38(1717 °C)
Main Applications:	High temp. insulating purposes, Low density, Low Thermal Conductivity.

Chemical Composition (Calcined base)

Al ₂ O ₃ %	SiO ₂ %	Fe ₂ O ₃ %
80.7	16.3	0.6

Physical Properties

<i>Bulk Density</i>	gr/cm ³	1.9-2.0
<i>Cold Crushing Strength</i>	kg/cm ²	250-300
<i>Apparent Porosity</i>	%	> 30
<i>Modulus of Rupture</i>	kg/cm ²	50-80

Thermomechanical Properties

<i>Reversible Linear thermal expansion (1100 °C)</i>	%	≈ 0.4
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The above data are typical of the properties of commercial Standard brick .

The data are subject to reasonable variation and therefore should not be used for Specification purposes. They may not be regarded as committed specifications and therefore not as guaranteed properties .

ASTM Test Methods, where applicable, used for determination of data.

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