



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



GHESHLAGH

Classification:	High duty Fireclay Brick
Main Raw Material Component:	Fireclay
Type Of Bond:	Ceramic
P.C.E .(Equivalent temperature)	> 30 (1665°C)
Main Applications:	General uses ;(Steel & Cement Industries as well as Chemical & Nonferrous Industries at low temp. situs)

Chemical Composition (Calcined base)			
Al ₂ O ₃ %	SiO ₂ %	Fe ₂ O ₃ %	TiO ₂ %
40 – 45	35 – 38	2.0 – 3.0	4.0 – 5.0

Physical Properties		
<i>Bulk Density</i>	gr/cm ³	2.0 – 2.15
<i>Cold Crushing Strength</i>	kg/cm ²	350 – 500
<i>Apparent Porosity</i>	%	10 – 17
<i>Modulus of Rupture</i>	kg/cm ²	> 50

Thermomechanical Properties	
<i>Refractoriness under Load T05°C</i>	Min 1310
<i>Reversible Linear thermal expansion (1100 °C)%</i>	≈ 0.7

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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