



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



ALMA 60

Classification:	Medium Alumina Brick
Main Raw Material Component:	Bauxite – Chamotte
Type Of Bond:	Ceramic
P.C.E. (Equivalent temperature)	> 34 (1763 °C)
Main Applications:	Various purposes ; Steel & Cement Industries (particularly end part of Safety zone of rotary kiln) as well as Chemical & Nonferrous Industries.

Chemical Composition (Calcined base)			
Al ₂ O ₃ %	SiO ₂ %	Fe ₂ O ₃ %	TiO ₂ %
58 – 61	28 – 32	2.0 – 3.0	3.0 – 3.5

Physical Properties		
Bulk Density	gr/cm ³	> 2.40
Cold Crushing Strength	kg/cm ²	> 400
Apparent Porosity	%	< 19
Modulus of Rupture	kg/cm ²	80-150

Thermomechanical Properties		
Refractoriness under Load T05	°C	Min 1350
Reversible Linear thermal expansion (1400 °C)	%	≈ 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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