



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



ALUMO 85LI

Classification:	Alumina – Mullite Brick
Main Raw Material Component:	Alumina – Mullite
Type Of Bond:	Ceramic
P . C . E . (Equivalent temperature)	> 40 (1885 °C)
Main Application:	Special usages. Petrochemical Industries, Excellent resistance to high temperature, abrasion, corrosion and chemical attacks.

Chemical Composition (Calcined base)		
Al₂O₃ %	SiO₂ %	Fe₂O₃ %
84 – 86	13 – 15	< 1.2

Physical Properties		
Bulk Density	g/cm ³	> 2.80
Cold Crushing Strength	kg/cm ²	> 800
Apparent Porosity	%	< 18
Modulus of Rupture	kg/cm ²	> 100

Thermomechanical Properties		
Refractoriness under Load T05	°C	Min 1600 °C
Reversible Linear thermal expansion (1100 °C)	%	0.5 – 0.8

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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