



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



ALUMO LI

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| Classification: | Alumina –Mullite Brick |
| Main Raw Material Component: | Alumina – Mullite |
| Type Of Bond: | Ceramic |
| P.C.E .(Equivalent temperature) | > 33 (1743°C) |
| Main Applications: | Special usages. Petrochemical Industries, Excellent resistance to high temperature, abrasion, corrosion and chemical attacks. |

Chemical Composition (Calcined base)

| | | |
|----------------------------------|--------------------|----------------------------------|
| Al ₂ O ₃ % | SiO ₂ % | Fe ₂ O ₃ % |
| > 47 | < 50 | < 1 |

Physical Properties

| | | |
|-------------------------------|--------------------|-----------|
| <i>Bulk Density</i> | g/cm ³ | 2.30-2.40 |
| <i>Cold Crushing Strength</i> | kg/cm ² | > 800 |
| <i>Apparent Porosity</i> | % | < 15 |
| <i>Modulus of Rupture</i> | kg/cm ² | 80-150 |

Physical Properties

| | | |
|--|----|----------|
| <i>Refractoriness under Load T05</i> | °C | Min 1450 |
| <i>Reversible Linear thermal expansion (1400 °C)</i> | % | ≈ 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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