



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



RENO 60 HI

| | |
|-------------------------------------|----------------------------------|
| Classification: | Magnesia – Chrome Brick (Burned) |
| Main Raw Material Component: | Dead Burned Magnesia – Chromite |
| Type Of Bond: | Ceramic |
| Main Applications: | Various purposes |

| Chemical Composition (Calcined base) | | | | | |
|--|----------------------------------|----------------------------------|----------------------------------|-----------|--------------------|
| MgO % | Cr ₂ O ₃ % | Al ₂ O ₃ % | Fe ₂ O ₃ % | CaO % | SiO ₂ % |
| > 60 | > 18 | > 4.0 | > 9.0 | 0.5 – 1.5 | < 1.5 |

| Physical Properties | | |
|-------------------------------|--------------------|---------|
| <i>Bulk density</i> | g/cm ³ | > 2.90 |
| <i>Cold crushing strength</i> | kg/cm ² | 350-500 |
| <i>Apparent porosity</i> | % | < 20 |
| <i>Modulus of rupture</i> | kg/cm ² | 25-50 |

| Thermomechanical Properties | | |
|--|----|----------|
| <i>Refractoriness under Load T05</i> | °C | Min 1650 |
| <i>Reversible Linear thermal expansion (1400 °C)</i> | % | ≈ 0.4 |

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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