



# IRAN REFRACTORIES COMPANY

## TECHNICAL DATA SHEET



### KROMO 15C

<b>Classification:</b>	Chromite Brick (Cruded)
<b>Main Raw Material Component:</b>	Chromite
<b>Type Of Bond:</b>	Chemical Bonded
<b>Main Applications:</b>	Chemical & Nonferrous Industries, Excellent resistance to high chemical attacks.

<b>Chemical Composition</b> (Calcined base)					
MgO %	Cr <sub>2</sub> O <sub>3</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	CaO %
15.8	40.7	22.5	14.4	3.1	0.6

<b>Physical Properties</b>		
<i>Bulk density</i>	g/cm <sup>3</sup>	3.30-3.40
<i>Cold crushing strength</i>	kg/cm <sup>2</sup>	300-450
<i>Modulus of rupture</i>	kg/cm <sup>2</sup>	70-120

<b>Thermomechanical Properties</b>		
<i>Refractoriness under Load T05</i>	°C	Min 1700
<i>Reversible Linear thermal expansion (1100 °C)</i>	%	≈ 1.2

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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