



*Brick*

*Product Data*

## RITEX® 60D

RITEX® 60D is a 60% magnesia, chemically bonded, high density magnesia - chrome brick available plain or STEELKLAD possessing good load bearing and spalling characteristics and chemical resistance to iron oxides and alkalis.

### REHEAT (Permanent Linear Change) - ASTM C113

Contraction or Expansion at 3000°F (1650°C)..... 1.0% exp.

APPARENT POROSITY - ASTM C20..... 20.5%

BULK DENSITY - ASTM C20.....	<u>lb/ft<sup>3</sup></u> 190	<u>g/cm<sup>3</sup></u> 3.04
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MODULUS OF RUPTURE - ASTM C133.....	<u>lb/in<sup>2</sup></u> 800	<u>MPa</u> 5.5
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COLD CRUSHING STRENGTH - ASTM C133 .....	3300	22.8
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### CHEMICAL ANALYSIS (loss free) mass %\*

Magnesia - MgO .....	62.5%
Chromia - Cr <sub>2</sub> O <sub>3</sub> .....	13.0%
Alumina - Al <sub>2</sub> O <sub>3</sub> .....	12.5%
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub> .....	5.9%
Silica - SiO <sub>2</sub> .....	4.8%
Lime - CaO .....	1.3%

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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