



Brick

Product Data

NOVUS[®] 20 LC

Classification: Burned Magnesite - Chrome Brick

Physical Data: (Typical)

English Units

SI Units

lb/ft³

kg/m³

Bulk Density

198

3,172

Apparent Porosity, %

16.9

16.9

lb/in²

N/mm²

Crushing Strength

At 70°F (21°C)

4,000

28

Modulus of Rupture

At 70°F (21°C)

600

4

At 2300°C (1260°C)

1,090

8

Reheat Test

Permanent Linear Change, %

After Heating at 3140°F (1727°C)

+0.3

Load Test, 25 psi (1.8 kg/cm²)

% Linear Subsidence

After Heating at 3100°F (1705°C)

0.7

Chemical Analysis: (Approximate)

(Calcined Basis)

Silica

(SiO₂)

0.7 %

Alumina

(Al₂O₃)

6.0

Titania

(TiO₂)

0.3

Iron Oxide

(Fe₂O₃)

9.8

Lime

(CaO)

0.7

Magnesia

(MgO)

62.1

Chromic Oxide

(Cr₂O₃)

20.4

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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