



# Preliminary Product Data

**Brand Name:** **TL0953**  
**Description:** RESIN BONDED, MAGNESIA CARBON BRICK

Physical properties shown are averages based on standard brick sizes.  
ASTM test methods used where applicable

**Bulk Density (pcf)**

As Received	189	(3.03 g/cm <sup>3</sup> )
After Coking	182	(2.92 g/cm <sup>3</sup> )

**Modulus of Rupture (psi)**

At 70°F (21°C)	1850	(130 kg/cm <sup>2</sup> )
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**Apparent Porosity (%)**

As Received	3.8
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**Coked Porosity (%)**

After Coking	10.6
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**Total Carbon (%)**

After Coking	10.9
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**Typical Chemical Analysis (%)**

(Calcined Basis)

Magnesia (MgO) .....	94.4
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	3.8
Silica (SiO <sub>2</sub> ) .....	0.5
Lime (CaO) .....	1.0
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.4

Brand Code:

The properties shown on this data sheet represent typical average results 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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