



# PRODUCT DATA

**Brand Name:** **MAXLINE 10 MFZ**  
**Description:** RESIN BONDED, MAGNESIA-CARBON BRICK  
Fused Grain and Antioxidant Additions

Physical properties shown are averages based on standard brick sizes.

ASTM test methods used where applicable

### Bulk Density (pcf)

|              |     |                           |
|--------------|-----|---------------------------|
| As Received  | 181 | (2.90 g/cm <sup>3</sup> ) |
| After Coking | 177 | (2.84 g/cm <sup>3</sup> ) |

### Modulus of Rupture (psi)

|                |      |                           |
|----------------|------|---------------------------|
| At 70°F (21°C) | 2600 | (182 kg/cm <sup>2</sup> ) |
|----------------|------|---------------------------|

### Coked Porosity (%)

|              |      |
|--------------|------|
| After Coking | 12.4 |
|--------------|------|

### Total Carbon (%)

|              |      |
|--------------|------|
| After Coking | 10.2 |
|--------------|------|

### Typical Chemical Analysis (%)

(Calcined Basis)

|  |      |
|--|------|
| Magnesia (MgO) .....                               | 91.2 |
| Silica (SiO <sub>2</sub> ) .....                   | 2.4  |
| Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....    | 4.6  |
| Lime (CaO) .....                                   | 1.3  |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) ..... | 0.5  |

Brand Code: 7427

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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01/24/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

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