



PRODUCT DATA

Brand Name: **NULINE R-5 SA**
Description: RESIN BONDED, MAGNESIA-CARBON BRICK
Antioxidant Additions

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

Bulk Density (pcf)

| | | |
|--------------|-----|---------------------------|
| As Received | 178 | (2.85 g/cm ³) |
| After Coking | 173 | (2.77 g/cm ³) |

Modulus of Rupture (psi)

| | | |
|----------------|------|---------------------------|
| At 70°F (21°C) | 2700 | (189 kg/cm ²) |
|----------------|------|---------------------------|

Coked Porosity (%)

| | |
|--------------|------|
| After Coking | 14.0 |
|--------------|------|

Total Carbon (%)

| | |
|--------------|-----|
| After Coking | 4.8 |
|--------------|-----|

Typical Chemical Analysis (%)

(Calcined Basis)

| | |
|--|------|
| Magnesia (MgO) | 88.6 |
| Alumina (Al ₂ O ₃) | 4.0 |
| Silica (SiO ₂) | 5.3 |
| Lime (CaO) | 1.4 |
| Iron Oxide (Fe ₂ O ₃) | 0.7 |

Brand Code: 3746

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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