



PRODUCT DATA

Brand Name: R-MAX G

Description: R-MAX G is a 3200°F high performance gunning mix designed to provide maximum abrasion resistance and excellent strengths throughout all operating temperatures. R-Max G should be installed using conventional gunning methods. **A water booster pump is recommended for proper installation.**

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3200°F (1760°C)

| | Gunned Data | |
|---------------------------|-------------|---------------------------|
| Bulk Density (pcf) | | |
| After 220°F (105°C) | 159 | (2.54 g/cm ³) |
| After 1500°F (815°C) | 154 | (2.46 g/cm ³) |

| | | |
|-------------------------------------|-------|---------------------------|
| Cold Crushing Strength (psi) | | |
| After 1500°F (815°C) | 12000 | (840 kg/cm ²) |

| | BTU/ft ² /hr./°F/inch | W/mK |
|--|----------------------------------|------|
| Thermal Conductivity (K Factor) | | |
| 1000°F (538°C) | 14.4 | 2.09 |
| 1500°F (815°C) | 14.7 | 2.13 |
| 2000°F (1093°C) | 15.0 | 2.18 |

| | |
|------------------------------------|-------------|
| Permanent Linear Change (%) | |
| After 1500°F (815°C) | -0.4 to 0.0 |

| | |
|--|------------|
| Abrasion Loss (using ASTM C-704 Method) | |
| After 1500°F (815°C) | 8 cc (max) |

Typical Chemical Analysis (%)

(Calcined Basis)

| | |
|--|------|
| Alumina (Al ₂ O ₃) | 73.1 |
| Silica (SiO ₂) | 22.0 |
| Lime (CaO) | 1.7 |
| Iron Oxide (Fe ₂ O ₃) | 1.4 |
| Titania (TiO ₂) | 1.6 |
| Others | 0.2 |

Standard Packaging: 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0539

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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