



Technical Data

PERMANENTE® 165-AF CASTABLE (Formerly BR-9688)

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|---|--|--------------------------|--------------------------|
| FEATURES | A high strength, volume stable magnesite mix with an unique patented non-chromate bonding system for new construction and general furnace maintenance. | | |
| PHYSICAL PROPERTIES (ASTM procedures used where applicable) | | <u>g/cm³</u> | <u>lb/ft³</u> |
| | Bulk Density: | | |
| | Dried at 300°F/150°C | 2.96 | 185 |
| | Fired to 3000°F/1650°C | 2.96 | 185 |
| | | <u>kg/cm²</u> | <u>lb/in²</u> |
| | Cold Crushing Strength: | | |
| Dried at 300°F/150°C | 250 | 3600 | |
| Fired to 3000°F/1650°C | 310 | 4400 | |
| Linear Change, %: | | | |
| After 3000°F/1650°C | | -0.7 | |
| CHEMICAL ANALYSIS (Ignited) | MgO (by Diff.) | 94.8% | |
| | SiO ₂ | 2.0 | |
| | CaO | 1.4 | |
| | Al ₂ O ₃ | 0.9 | |
| | Fe ₂ O ₃ | 0.9 | |
| MIXING INSTRUCTIONS | Optimum water for ramming: 3.00% Optimum water for casting: 4.75% | | |
| PACKAGING | Standard 55 pound (25 kg) moisture-proof bags | | |

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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02/05/08 is the date that this data sheet was updated. Check with your RESOCO sales representative or RESOCO website to determine you have the current sheet