



PRODUCT DATA

Brand Name:

KRICON® CCM 30

Description:

KRICON® CCM 30 is a high purity chromic oxide-containing, tabular alumina-based castable. The 30% chromic oxide addition makes this low cement product ideal for high wear areas attacked by slags by improving volume stability and reducing the tendency for the formation of shrinkage cracks at very high temperatures. This castable should be installed using vibration casting methods.

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

Maximum Service Temperature: 3400°F (1871°C)

Dry Material Required per Cubic Foot : 194 lbs.

Typical Water Required for Mixing (by weight) :

Vibration Casting 4.1%

Bulk Density (pcf)

After 1500°F (816°C)
After 2550°F (1400°C)
After 2910°F (1600°C)

Vibration Cast Data

| | |
|-----|---------------------------|
| 190 | (3.04 g/cm ³) |
| 188 | (3.01 g/cm ³) |
| 188 | (3.01 g/cm ³) |

Cold Crushing Strength (psi)

After 1500°F (816°C)
After 2550°F (1400°C)
After 2910°F (1600°C)

| | |
|------|----------------------------|
| 1600 | (112 kg/cm ²) |
| 800 | (56 kg/cm ²) |
| 1240 | (86.8 kg/cm ²) |

Modulus of Rupture (psi)

After 1500°F (816°C)
After 2550°F (1400°C)
After 2910°F (1600°C)

| | |
|------|----------------------------|
| 980 | (68.6 kg/cm ²) |
| 880 | (87.5 kg/cm ²) |
| 1250 | (61.6 kg/cm ²) |

Permanent Linear Change (%)

After 2550°F (1400°C)
After 2910°F (1600°C)

+0.7
+0.1

Apparent Porosity (%)

After 2550°F (1400°C)
After 2910°F (1600°C)

23
24

Typical Chemical Analysis (%)

(Calcined Basis)

| | |
|---|------|
| Alumina (Al ₂ O ₃) | 66.1 |
| Silica (SiO ₂) | 0.1 |
| Lime (CaO) | 1.3 |
| Chromic Oxide (Cr ₂ O ₃) | 32.3 |
| Iron Oxide (Fe ₂ O ₃) | 0.1 |
| Alkalis (Na ₂ O+K ₂ O) | 0.1 |

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

Brand Code: 7329

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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