PRODUCT DATA

EZ CAST® 3200

Brand Name: EZ CAST® 3200 is a self-flowing, 76% alumina low cement castable designed to provide longer service life and superior performance in steel applications with temperatures up to 3200°F. It also has outstanding strength and abrasion resistance. In laboratory testing this product has shown excellent resistance to CO atmospheres found in coke ovens and blast furnaces.

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)

Typical Water Required for Mixing (by weight):
- Vibration Casting: 4.0 - 5.0%
- Self Flow Casting: 5.5 - 6.5%

Dry Material Required per Cubic Foot:
- Vibration Casting: 139 - 145 lbs
- Self Flow Casting: 136 - 140 lbs

Bulk Density (pcf)
- After 220°F (105°C): 172 - 176
- After 1500°F (815°C): 170 - 174

Cold Crushing Strength (psi)
- After 220°F (105°C): 12000 - 16000
- After 1500°F (815°C): 10000 - 16000

Modulus of Rupture (psi)
- After 220°F (105°C): 1800 - 2500
- After 1500°F (815°C): 1700 - 2200

Apparent Porosity (%)
- After 220°F (105°C): 8 - 11
- After 1500°F (815°C): 11 - 14

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

Typical Chemical Analysis (%)
(Calcined Basis)
- Alumina (Al₂O₃): 76.2
- Silica (SiO₂): 19.2
- Lime (CaO): 1.2
- Iron Oxide (Fe₂O₃): 0.9
- Titania (TiO₂): 2.1
- Magnesia (MgO): 0.2
- Alkalies (Na₂O+K₂O): 0.2

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

Brand Code: 0818

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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