EZ CAST® 2700

EZ CAST® 2700 is a general purpose, economical castable designed for applications up to 2700°F. It is particularly effective in applications where destructive gases and atmospheres or excessive wear shorten refractory life.

Physical properties shown are average values of samples taken under controlled conditions.

ASTM test methods used where applicable.

Maximum Service Temperature: 2700°F (1482°C)

Typical Water Required for Mixing (by weight):
- Vibration Casting: 4.5 - 6.0%
- Self Flow Casting: 6.5 - 8.5%

Dry Material Required per Cubic Foot:
- Vibration Casting: 140 - 144 lbs
- Self Flow Casting: 135 - 139 lbs

Bulk Density (pcf)
- After 220°F (105°C): 142 - 146 (2.27 - 2.34 g/cm³)
- After 1500°F (815°C): 140 - 144 (2.24 - 2.30 g/cm³)

Cold Crushing Strength (psi)
- After 220°F (105°C): 10000 - 14000 (700 - 980 kg/cm²)
- After 1500°F (815°C): 8000 - 12000 (560 - 840 kg/cm²)

Modulus of Rupture (psi)
- After 220°F (105°C): 1100 - 1500 (77 - 105 kg/cm²)
- After 1500°F (815°C): 1500 - 1900 (105 - 133 kg/cm²)

Apparent Porosity (%)
- After 220°F (105°C): 7 - 9
- After 1500°F (815°C): 13 - 15

Permanent Linear Change (%)
- After 1500°F (815°C): -0.5 to -0.1

Typical Chemical Analysis (%)
(Calcined Basis)
- Alumina (Al₂O₃): 42.2
- Silica (SiO₂): 49.2
- Lime (CaO): 3.7
- Iron Oxide (Fe₂O₃): 1.2
- Titania (TiO₂): 1.8
- Magnesia (MgO): 0.5
- Alkalies (Na₂O+K₂O): 1.4

55 lb bag. 72 bags per pallet. Bulk packaging available.

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions (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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12/19/16 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

One Robinson Plaza - Suite 300, 6600 Steubenville Pike, Pittsburgh, PA, 15205  Phone: 888-283-5505