



PRODUCT DATA

Brand Name:

INDUCTOCAST 30

Description: INDUCTOCAST 30 is a medium weight, insulating castable with a service limit temperature of 3000°F. A low iron content makes it suitable for most furnace atmospheres. INDUCTOCAST 30 is designed primarily for casting applications.

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

Maximum Service Temperature: 3000°F (1650°C)

Dry Material Required per Cubic Foot: 90 lbs.

Typical Water Required for Mixing (by weight) :

For Casting 9.0%

Bulk Density (pcf)

After 220°F (104°C)
After 1500°F (815°C)

Cast Data

85 (1.36 g/cm³)
90 (1.44 g/cm³)

Cold Crushing Strength (psi)

After 1500°F (815°C)

200 (14 kg/cm²)

Permanent Linear Change (%)

After 1500°F (815°C)

-0.5 to -0.2

Thermal Conductivity (K Factor)

Mean Temperature
500°F (260°C)
1000°F (540°C)
1500°F (815°C)

BTU/ft²/hr./°F/inch
2.7
2.9
3.1

W/mK
0.39
0.42
0.45

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al₂O₃) 55.7
Silica (SiO₂) 37.3
Iron Oxide (Fe₂O₃) 0.8
Titania (TiO₂) 1.3
Lime (CaO) 4.6
Magnesia (MgO) <0.1
Alkalis (Na₂O+K₂O) 0.3

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

Brand Code: 0506

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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