

CERCAST 1600

Product Information Sheet

Monolithic Refractory

A super duty, low iron castable suitable for use under reducing conditions.

Maximum Service Temp: 1600°C
Maximum Grain Size: 7 mm
Standard Packaging*: Sack - 25kg
Estimated Coverage:** 2100 kg/m³
Initial Heat Up Schedule: B
Water Addition: 9-10%

Reversible Thermal Expansion @ 1000°C: 0.60%
Curing Time: 24 Hrs
Storage Life: 12 Months
Setting: Hydraulic
Abrasion Loss: NA
ASTM C704

Chemical Analysis

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies		
53	39	0.9	1.7	5	0.4		

Typical Physical Properties: On cast samples

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
°C	kg/m ³	MPa	MPa	%
110	2250	45.00	9.50	-0.10
1100	2150	25.00	4.00	-0.20
1400	2150	35.00	7.00	-0.30

Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
°C	%	W/mK	MPa	%
110	-	-	-	-
1100	-	0.95	-	-
1400	-	1.12	-	-

Formerly: PLICAST 1600

Product Number: LEA71638

MSDS Reference: LEA70336msds

Effective Date: 4/2012

Revision: 0

*Please enquire for other packaging options

**Estimated coverage on gungrades does not include rebound

The physical and/or chemical properties and specifications of the product set forth above represent typical average results obtained in accordance with generally accepted standard test methods conducted under controlled conditions, and are subject to normal manufacturing variations. Vesuvius reserves the right to modify the properties and specifications at any time without prior notice.

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