

PRODUCT	: TABCAST 94
PRODUCT CLASS	: REFRACTORY MONOLITHIC
TYPE	: 94% ALUMINA DENSE CASTABLE
NATURE OF BOND	: HYDRAULIC
INSTALLATION	: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1800 °C
MAXIMUM GRAIN SIZE:	5 mm
WATER REQUIRED FOR CASTING:	8.0 – 9.5 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	93 – 94.5	93.77	BIS 12107 Part 3
Fe ₂ O ₃	0.15 – 0.30	0.16	BIS 12107 Part 6
CaO	5.0 – 5.50	5.27	ASTM C 573

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.75 – 2.85	2.80	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	450 – 600	568	BIS 10570
after heating at 1100 °C / 3 hrs	250 – 400	339	BIS 10570
after heating at 1550 °C / 3 hrs	500 – 700	568	BIS 10570
% Retained on maximum size	0 – 5		BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 38 / + 1835	BIS 1528 Part 1
PLC, % after heating at 1550 °C / 3 hrs	+1.0 to –1.0	+0.29	BIS 10570

Packaging: 25 kg bags

Delivery State: Dry

Storage Life: Best till 9 months from the date of production, if stored in proper condition.

Note:

(1) The data are current production averages. They can not be used as limits for specification.