



**VARSHA**  
REFRACTORIES PVT. LTD.



**SPECIAL CASTABLES**

**PRODUCT** : TABCAST 97L  
**TYPE** : INSULATING CASTABLE FOR 1800°C  
**NATURE OF BOND** : HYDRAULIC  
**INSTALLATION** : TAMPING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1800 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 12.0 – 16.0 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	91 – 93	92.21	BIS 12107 Part 3
Fe <sub>2</sub> O <sub>3</sub>	0.15 – 0.35	0.18	BIS 12107 Part 6
CaO	6.0 – 7.0	6.6	ASTM C-573

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, kg / m <sup>3</sup> after drying at 110 °C / 24 hrs	1450 – 1550	1480	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	70 – 130	105	BIS 10570
after heating at 1100 °C / 3 hrs	50 – 90	75	BIS 10570
after heating at 1550 °C / 3 hrs	60 – 130	110	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	-0.5 to + 1.5	+0.70	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:**

PD / SC / 03

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

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