



**VARSHA**  
REFRATORIES PVT. LTD.



**ULTRA LOW CEMENT CASTABLE**

**PRODUCT** : ULTRAMON 95  
**TYPE** : 95% ALUMINA ULC CASTABLE  
**NATURE OF BOND** : HYDRAULIC  
**INSTALLATION** : VIBRATION CASTING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1800 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 4.0 – 5.0 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	92 – 94.5	92.33	BIS 12107 Part 3
Fe <sub>2</sub> O <sub>3</sub>	0.10 – 0.30	0.16	BIS 12107 Part 6
CaO	0.90 – 1.10	1.0	ASTM C 573

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.98 – 3.10	3.00	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	350 – 600	550	BIS 10570
after heating at 1100 °C / 3 hrs	950 – 1150	1100	BIS 10570
after heating at 1550 °C / 3 hrs	1100 -- 1300	1225	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 +5.0	-0.50	BIS 10570

**Packaging: 50 kg bags**

**Delivery State: Dry**

**Storage Life:** Best till 3 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.
- (2) Extended Storage Life can be achieved when the product is supplied in 2 – pack.

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