



LOW CEMENT CASTABLE

PRODUCT	: ACCMON 80
TYPE	: 80% ALUMINA LC CASTABLE
NATURE OF BOND	: HYDRAULIC
INSTALLATION	: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1700 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR CASTING:	4.5 – 5.2 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	78 – 81	79.5	BIS 12107 Part 3
Fe ₂ O ₃	1.70 – 2.20	2.05	BIS 12107 Part 6
CaO	2.5 – 2.70	2.65	ASTM C 573

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.80 – 2.95	2.85	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	700 – 850	750	BIS 10570
after heating at 1100 °C / 3 hrs	850 – 1000	990	BIS 10570
after heating at 1550 °C / 3 hrs	1100 – 1250	1220	BIS 10570
% Retained on maximum size	0 – 5	4.0	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 37 / + 1820	BIS 1528 Part 1
PLC, % after heating at 1550 °C / 3 hrs	(+ 1.8) to (– 0.5)	+1.40	BIS 10570

Packaging: 50 kg bags

Delivery State: Dry

Storage Life: Best till 6 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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