

PRODUCT	: ACCMON 90
PRODUCT CLASS	: REFRACTORY MONOLITHIC
TYPE	: 90% 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:	4.0 – 5.0%

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	86.0 – 90.0	86.3	BIS 12107 Part 3
Fe ₂ O ₃	0.90 – 1.50	1.15	BIS 12107 Part 6
CaO	1.50 – 2.00	1.70	ASTM C 573

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.95 – 3.10	3.05	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	800 – 1000	950	BIS 10570
after heating at 1100 °C / 3 hrs	900 – 1250	1190	BIS 10570
after heating at 1550 °C / 3 hrs	1100 – 1280	1235	BIS 10570
% Retained on maximum size	0 – 5	3.0	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	+1.80 to –0.5	+1.42	BIS 10570

Packaging: 25 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.