

PRODUCT: ACCMON 45
TYPE: 45 % ALUMINA LC CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1550 °C
 MAXIMUM GRAIN SIZE: 6 mm
 WATER REQUIRED FOR CASTING: 5.7 – 6.2 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	45.0 – 47.5	46.5	BIS 12107 Part 3
CaO	1.5 – 2.0	1.8	ASTM C 573
Fe ₂ O ₃	0.6 – 1.0	0.90	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.30 – 2.42	2.32	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	600 – 700	640	BIS 10570
after heating at 1100 °C / 3 hrs	800 – 900	870	BIS 10570
after heating at 1500 °C / 3 hrs	900 – 1050	1010	BIS 10570
% Retained on maximum size	0 – 5		BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		32 / 1717	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.10) to (-0.40)	-0.15	BIS 10570
after heating at 1500 °C / 3 hrs	(- 1.00) to (-2.40)	-1.50	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.