

PRODUCT: THERMOCRETE NORMAL
TYPE: 35 % ALUMINA CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1000 °C
 MAXIMUM GRAIN SIZE: 5 mm
 WATER REQUIRED FOR CASTING: 12 – 15 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	33.5 - 37	35.1	BIS 12107 Part 3
Fe ₂ O ₃	3.30. – 4.00	3.60	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.05 – 2.20	2.11	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs after heating at 800 °C / 3 hrs	180 – 280 150 – 210	220 175	BIS 10570 BIS 10570
% Retained on maximum size	0 – 5		BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
PLC, % after heating at 800 °C / 3 hrs	(- 0.10) to (-0.80)	-0.40	BIS 10570

Packaging: 50 kg bags

Delivery State: Dry

Storage Life: Best till 9 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.