MEDIUM PURITY DENSE CASTABLE REFRACTORY MONOLITHIC

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

GENERAL PROPERTIES

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

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al_2O_3	33.50 – 37.00	35.10	BIS 12107 Part 3
Fe_2O_3	3.00 – 4.00	3.40	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 ºC / 24 hrs	1.90 – 2.05	1.96	BIS 10570
CCS, kg/cm^2 after drying at 110 ºC / 24 hrs after heating at 800 ºC / 3 hrs	170 – 280 140 – 210	220 175	BIS 10570 BIS 10570
% Retained on maximum size	0 – 5	1.2	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
PLC, % after heating at 800 ºC / 3 hrs	(- 0.10) to (-0.60)	-0.30	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.