

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

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1300 °C
MAXIMUM GRAIN SIZE:	5 mm
WATER REQUIRED FOR CASTING:	12 – 15 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	33.50 – 37.00	35.10	BIS 12107 Part 3
Fe ₂ O 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 °C / 24 hrs	1.90 – 2.05	1.96	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	170 – 280	220	BIS 10570
after heating at 800 °C / 3 hrs	140 – 210	175	BIS 10570
after heating at 1300 °C / 3 hrs	220 - 330	250	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 °C / 3 hrs	(- 0.10) to (-0.60)	-0.30	BIS 10570
after heating at 1300 °C / 3 hrs	(- 0.80) to (+1.80)	+1.36	BIS 10570

Packaging: 25 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.