

PRODUCT:	WHYTHEAT K
TYPE:	60 % ALUMINA DENSE CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1600 °C
MAXIMUM GRAIN SIZE:	5 mm
WATER REQUIRED FOR CASTING:	10.60 – 11.80 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	56 – 60	59	BIS 12107 Part 3
CaO	4.00 – 4.70	4.50	ASTM C 573
Fe ₂ O ₃	1.00 – 1.25	1.10	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc			
after drying at 110 °C / 24 hrs	2.15 – 2.25	2.20	BIS 10570
CCS, kg/cm ²			
after drying at 110 °C / 24 hrs	350 – 430	380	BIS 10570
after heating at 1100 °C / 3 hrs	180 – 280	225	BIS 10570
after heating at 1400 °C / 3 hrs	350 – 500	400	BIS 10570
% Retained on maximum size	0 – 5	0.8	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		31 / 1683	BIS 1528 Part 1
PLC, %			
after heating at 1100 °C / 3 hrs	(- 0.4) to (+0.2)	-0.15	BIS 10570
after heating at 1550 °C / 3 hrs	(- 1.2) to (-2.4)	-1.70	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.