

**HIGH PURITY DENSE CASTABLES**

PRODUCT:	MAXHEAT C
TYPE:	50% ALUMINA DENSE CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE :	1500 °C
MAXIMUM GRAIN SIZE :	5 mm
WATER REQUIRED FOR CASTING :	11.0 – 12.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE
Al ₂ O ₃	48 - 52	50.2
Fe ₂ O ₃	0.8 – 1.5	1.30
CaO	4.5 – 5.0	4.80

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE
DRY DENSITY, G / CC		
AFTER DRYING AT 110 °C / 24 HRS	2.1 – 2.25	2.18
CCS,KG/CM2		
AFTER DRYING AT 110 °C / 24 HRS	350 - 430	382
AFTER HEATING AT 1100 °C / 3 HRS	180 - 280	217
AFTER HEATING AT 1500 °C / 3 HRS	530 - 680	608
% RETAINED ON MAXIMUM SIZE	0 - 5	1.5

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE
REFRACTORINESS, ORTON / °C	-	30 / 1665
PLC, %		
AFTER HEATING AT 1100 °C / 3 HRS	(- 0.4) to (+0.2)	- 0.18
AFTER HEATING AT 1500 °C / 3 HRS	(- 1.0) to (- 2.5)	- 1.60

Packaging : 50 kg bags**Storage life : 9 months****Delivery state : dry**

Note : The data are current production averages. They can not be used as limits for specification