

**HIGH PURITY DENSE CASTABLES**

PRODUCT:	MAXHEAT A
TYPE:	HIGH ALUMINA DENSE CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE :	1700 °C
MAXIMUM GRAIN SIZE :	5 mm
WATER REQUIRED FOR CASTING :	9.0 – 11.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE
Al ₂ O ₃	85.0 - 88.0	85.5
Fe ₂ O ₃	1.2 – 1.8	1.62
CaO	5.8 – 6.5	6.24

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE
DRY DENSITY, G / CC		
AFTER DRYING AT 110 °C / 24 HRS	2.65 – 2.80	2.72
CCS,KG/CM2		
AFTER DRYING AT 110 °C / 24 HRS	600 - 700	646
AFTER HEATING AT 1100 °C / 3 HRS	300 - 400	352
AFTER HEATING AT 1550 °C / 3 HRS	650 - 800	758
% RETAINED ON MAXIMUM SIZE	0 - 5	1.5

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE
REFRACTORINESS, ORTON / °C	-	+ 37 / + 1820
PLC, %		
AFTER HEATING AT 1100 °C / 3 HRS	(- 0.4) to (+0.2)	- 0.17
AFTER HEATING AT 1550 °C / 3 HRS	(- 1.2) to (- 2.5)	- 1.78

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

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