

**SPECIAL CASTABLES**

PRODUCT:	MAXCAST 94
TYPE:	94% ALUMINA DENSE CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE :	1800 °C
MAXIMUM GRAIN SIZE :	6 mm
WATER REQUIRED FOR CASTING :	8.0 – 9.5 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE
Al ₂ O ₃	93.0 – 94.5	93.6
Fe ₂ O ₃	0.15 – 0.30	0.18
CaO	5.0 – 5.50	5.20

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE
DRY DENSITY, G / CC		
AFTER DRYING AT 110 °C / 24 HRS	2.75 – 2.85	2.82
CCS,KG/CM2		
AFTER DRYING AT 110 °C / 24 HRS	450 - 600	575
AFTER HEATING AT 1100 °C / 3 HRS	250 - 400	346
AFTER HEATING AT 1550 °C / 3 HRS	500 - 700	576
% RETAINED ON MAXIMUM SIZE	0 - 5	2.0

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE
REFRACTORINESS, ORTON / °C	-	+ 38 / + 1835
PLC, %		
AFTER HEATING AT 1550 °C / 3 HRS	(+ 1.0) to (-1.0)	+ 0.31

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