

**SPECIAL CASTABLES**

PRODUCT:	MAXCAST 97
TYPE:	97% ALUMINA DENSE CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE :	1850 °C
MAXIMUM GRAIN SIZE :	6 mm
WATER REQUIRED FOR CASTING :	8.5 – 9.5 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE
Al ₂ O ₃	95.0 – 96.5	95.8
Fe ₂ O ₃	0.10 – 0.30	0.16
CaO	2.80 – 3.50	3.20

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	300 - 500	498
AFTER HEATING AT 1100 °C / 3 HRS	250 - 375	355
AFTER HEATING AT 1550 °C / 3 HRS	350 - 500	464
% 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	(+ 1.5) to (-0.50)	+ 0.98

Packaging : 25kg bags	Storage life : 9 months	Delivery state : dry
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Note : The data are current production averages. They can not be used as limits for specification