



REFCAST 1750 AC

Classification	CC1750 AC		
General and Physical Properties	Bulk Density	Kg/m ³	2700
	Maximum Service Temperature	°C	1750
	Water required	l/100Kg	6
	Cold Crushing Strength at 110 °C	N/mm ² (MPa)	82
	Cold Crushing Strength at 1200 °C	N/mm ² (MPa)	95
	Modulus of Rupture	N/mm ² (MPa)	9
	Permanent Linear Change After Heating at 1000°C	%	-0.2
	Refractoriness PCE Orton Cone		>38
	Wear Resistance ASTM C 704	cm ³	
	Packaging		25Kg
Chemical Composition	Alumina (Al ₂ O ₃)	%	82.8
	Silica (SiO ₂)	%	0.1
	Magnesite (MgO)	%	0.2
	Lime (CaO)	%	6.4
	Iron Oxide (Fe ₂ O ₃)	%	0.0
	Silicon Carbide (SiC)	%	0.0
	Zirconia (ZrO ₂)	%	0.0
	Carbon (C)	%	0.0
	Chrome Oxide (Cr ₂ O ₃)	%	9.5
Thermal Expansion	400 °C	%	0.35
	800 °C	%	0.50
	1000 °C	%	0.70
	1200 °C	%	0.90
	1400 °C	%	1.00
Thermal Conductivity	400 °C	(W/m.K)	2.10
	600 °C	(W/m.K)	2.10
	800 °C	(W/m.K)	2.20
	1000 °C	(W/m.K)	2.20