



ES02		
<b>Raw materials</b>	raw materials	wt%
	Silica	79,7
	Alumina	19,7
	others	≈0,5
<b>application proposed</b>		Equiax
<b>Bulk density</b>	g/cm3	1,70
<b>apparent porosity (%)</b>	%	29,5
<b>MOR (Mpa) (Tamb)</b>	MPa	8+/-0.5
<b>Hot MOR - 1093°C</b>	MPa	14,5+/-0,5
<b>RUL - 1093°C*</b> <i>*Applied strength 6,7 MPa</i>		RUL - 1093 °C - Time to peak load (s)
		RUL @ 2 mins - 1093 °C (mm)
		RUL @ 5 mins - 1093 °C (mm)
<b>Casting simulation (1510°C – 10°C/min – 5' dwell)</b>		



<b>Thermal expansion</b>	at 200 °C	%	0,058	
	at 400 °C	%	0,131	
	at 600 °C	%	0,170	
	at 800 °C	%	0,200	
	at 1000 °C	%	0,250	
	at 1200 °C	%	0,269	
	at 1400 °C	%	0,210	
	at 1500 °C start	%	0,051	
	at 1500 °C end	%	-0,189	
	at 1500 °C Shrinkage	%	-0,663	
<b>linear shirinkage(mould to fired)</b>		%		<b>1.05%</b>
<b>Cristobalite</b>		%		<b>≈ 4%</b>
<b>Lechiability</b>		mins		<b>≈ 100</b>

Please note that all values quoted are based on test pieces and may vary according to component design. These values are not guaranteed in anyway whatsoever and should only be treated as indicative and for guidance only

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