



ES01		
<b>Raw materials</b>	raw materials	wt%
	Silica	79,75
	Alumina	19,75
	others	0,5
<b>application proposed</b>	Equiax	
<b>Bulk density</b>	g/cm <sup>3</sup>	1,71
<b>apparent porosity (%)</b>	%	29,3
<b>MOR (Mpa) (Tamb)</b>	MPa	10+/-0.5
<b>Hot MOR - 1093°C</b>	MPa	12+/-4
<b>RUL - 1093°C</b> <i>*Applied strength 7,8 MPa</i>	<b>RUL - 1093 °C - Time to peak load (s)</b>	3,2
	<b>RUL @ 2 mins - 1093 °C (mm)</b>	0,56
	<b>RUL @ 5 mins - 1093 °C (mm)</b>	0,89
Casting simulation (1510°C – 10°C/min – 5' dwell)		
<p style="text-align: center;">Temperatura (°C)</p>		



<b>Thermal expansion</b>	1. Thermal expansion		
	@ 200°C	%	0,02
	@ 400°C	%	0,06
	@ 600°C	%	0,09
	@ 800°C	%	0,11
	@ 1000°C	%	0,15
	@ 1200°C	%	-0,04
	@ 1400°C	%	-0,40
	@ 1500°C start	%	-0,39
	@ 1500°C End	%	-0,38
@ 1500°C Shrinkage	%	-1,11	
<b>linear shirinkage (%) (mould to fired)</b>	%	1.1%	
<b>Cristobalite (%)</b>	%	0,5	
<b>Leachability</b>	mins	120	

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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