

## FOUNDRY SAND - ST 53

Begining of sintering	1550 °C
Washed matter	0,16%
pH	7,5

Sieves mm	Residue		Bottom
	g	%	%
0,800	0	0	100,00
0,630	0,02	0,02	99,98
0,500	0,76	0,76	99,22
0,400	5,87	5,87	93,35
0,315	22,29	22,29	71,06
0,200	47,64	47,64	23,42
0,100	22,56	22,56	0,86
< 0,100	0,86	0,86	0,00
Total	100	100	

<b>MK<sub>calc</sub> Mean grain size mm</b>	<b>0,262</b>
<b>AFS</b>	<b>56,84</b>
<b>d<sub>50</sub> mm:</b>	<b>0,264</b>
<b>d<sub>75</sub> mm:</b>	<b>0,204</b>
<b>d<sub>25</sub> mm:</b>	<b>0,330</b>
<b>log w</b>	<b>55,15</b>
<b>log w %</b>	<b>52,96</b>
<b>S<sub>th</sub> Theoretical specific surface cm<sup>2</sup>/g:</b>	<b>95,537</b>
<b>n<sub>th</sub> Theoretical specific number of the grains pieces/g</b>	<b>95688,25</b>

