

## FOUNDRY SAND - ST 54

Begining of sintering	1550 °C
Washed matter	0,05%
pH	7,4

Sieves mm	Residue		Bottom
	g	%	%
0,800	0	0	100,00
0,630	0	0	100,00
0,500	0,35	0,35	99,65
0,400	3,12	3,12	96,53
0,315	12,11	12,11	84,42
0,200	43,17	43,17	41,25
0,100	40,02	40,02	1,23
< 0,100	1,23	1,23	0,00
<b>Total</b>	<b>100</b>	<b>100</b>	

<b>MK<sub>calc</sub> Mean grain size mm</b>	<b>0,225</b>
<b>AFS</b>	<b>65,20</b>
<b>d<sub>50</sub> mm:</b>	<b>0,223</b>
<b>d<sub>75</sub> mm:</b>	<b>0,159</b>
<b>d<sub>25</sub> mm:</b>	<b>0,290</b>
<b>log w</b>	<b>50,68</b>
<b>log w %</b>	<b>48,66</b>
<b>S<sub>th</sub> Theoretical specific surface cm<sup>2</sup>/g:</b>	<b>110,959</b>
<b>n<sub>th</sub> Theoretical specific number of the grains pieces/g</b>	<b>141593,786</b>

