

## FOUNDRY SAND - ST 52

Begining of sintering	1550 °C
Washed matter	0,09%
pH	7,0

Sieves mm	Residue		Bottom
	g	%	%
0,800	0	0	100,00
0,630	0,04	0,04	99,96
0,500	1,84	1,84	98,12
0,400	13,60	13,60	84,52
0,315	37,53	37,53	46,99
0,200	43,57	43,57	3,42
0,100	3,34	3,34	0,08
< 0,100	0,08	0,08	0,00
<b>Total</b>	<b>100</b>	<b>100</b>	

<b>MK<sub>calc</sub> Mean grain size mm</b>	<b>0,319</b>
<b>AFS</b>	<b>49,19</b>
<b>d<sub>50</sub> mm:</b>	<b>0,322</b>
<b>d<sub>75</sub> mm:</b>	<b>0,257</b>
<b>d<sub>25</sub> mm:</b>	<b>0,378</b>
<b>log w</b>	<b>51,99</b>
<b>log w %</b>	<b>49,92</b>
<b>S<sub>th</sub> Theoretical specific surface cm<sup>2</sup>/g:</b>	<b>74,798</b>
<b>n<sub>th</sub> Theoretical specific number of the grains pieces/g</b>	<b>36740,60</b>

