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(// // //)

چکیده

°C

°C

°C

°C

واژه های کلیدی:

مقدمه

[]

MgO

[-]

MgO

°C °C

°C

()

MnO

()

/ rpm

$$\%red = \frac{W_1 - W_2}{W_1 \cdot \%O_t} \cdot 100$$

()

W₂

W₁:

یافته ها و بحث

SiO₂ MgO

()

Fe²⁺

Fe³⁺

$$\%O_t = \frac{16}{56}(\%Fe^{2+}) + \frac{48}{112}(\%Fe^{3+}) \quad ()$$

.....

Moisture	Coke	Burnt limestone	Lime stone	Shams abad manganese ore	Shorab manganese ore	Return fines	Iron ore	Material
6.8	2.79	2.58	4.18	1.39	8.56	17.73	56.77	(%wt)

ST9	ST8	ST7	ST6	ST5	ST4	ST3	ST2	ST1	ST0	Sample
9	8	7	6	5	4	3	2	1	0	Talc (%wt)
6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	Moisture (%wt)

0-5	5-8	8-10	10-15	15-25	25-40	+40	(mm) Particle size
9.1	12.5	7.2	14.7	24.2	9.8	22.4	sinters without Talc (%wt)
6.4	10.4	6.9	14.6	26.8	8.9	26	sinters with %6 Talc (%wt)

g

a

/ MgO/CaO

/

MgO/CaO

MgO

. []

. []

MgO

()

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. []

3CaO.MgO.SiO₂

a

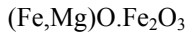
a

g

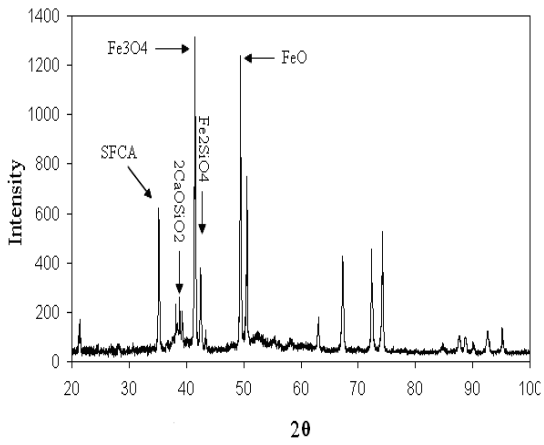
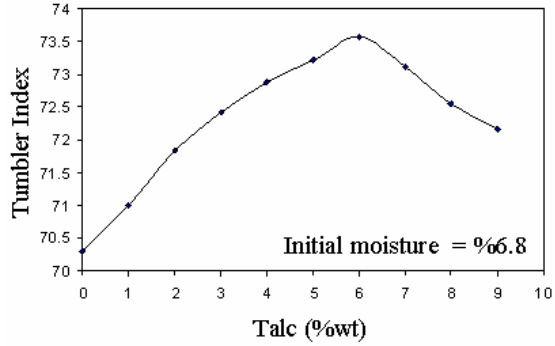
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g

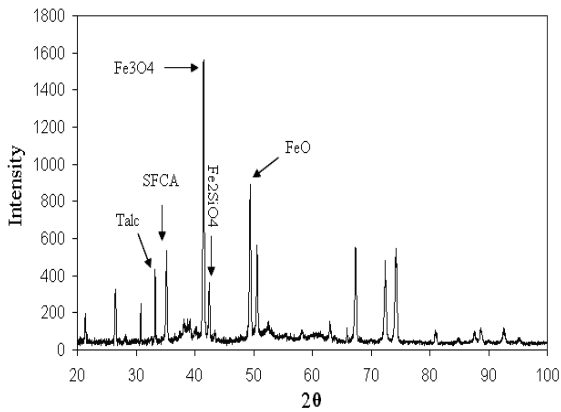
- °C



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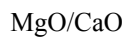


.ST0 XRD :



.ST6 XRD :

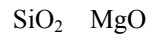
(SFCA stands for Silicoferrite Aluminum Calcium)

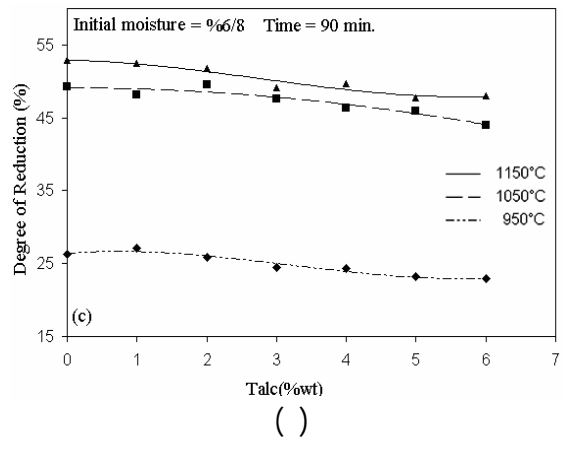
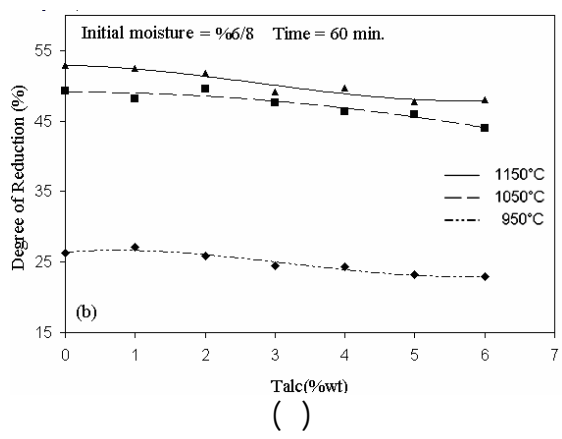
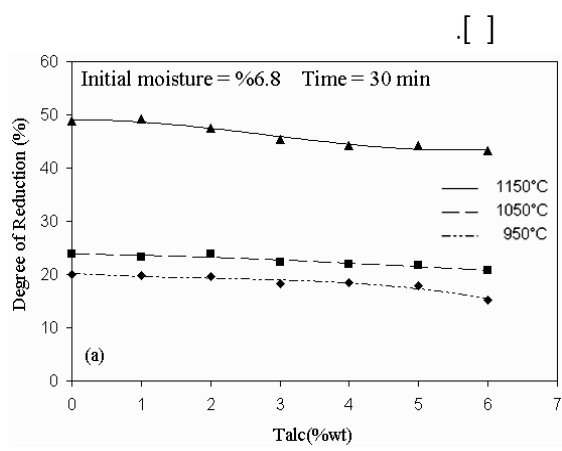


XRD

() ()

()





() () ()

MgO : CaO - SiO₂ - MgO

MgO
FeO

. []

MgO

MgO

MgO
MgO.Fe₂O₃ MgO.FeO.Fe₂O₃

SiO₂ . []

(Ca_(1-d),Fe_d)O.SiO₂

SiO₂

CaO - FeO -

SiO₂

. []

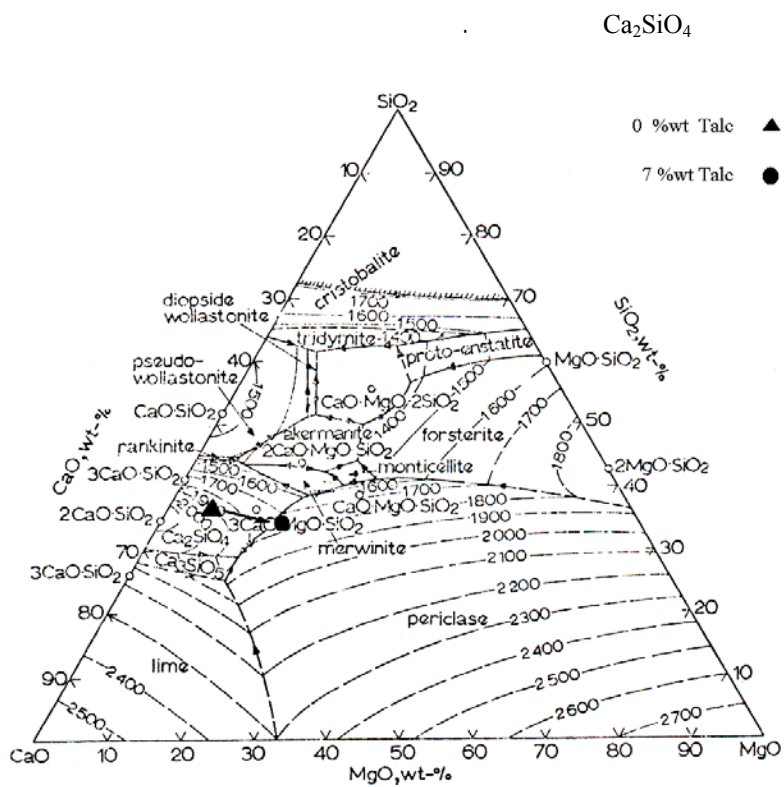
. []

MgO

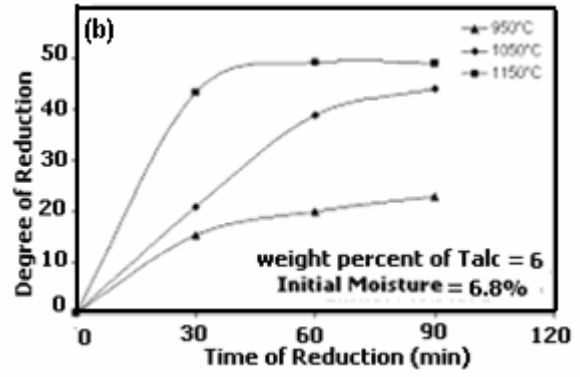
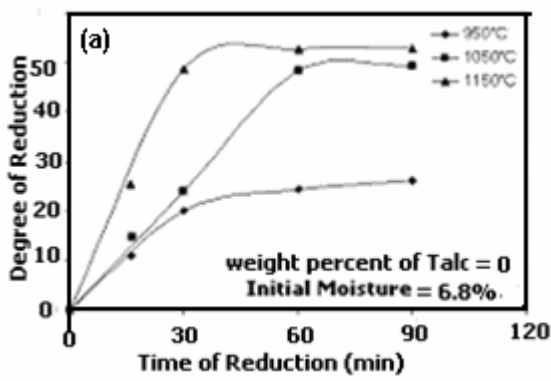
MgO . [] SiO₂

MgO

$3\text{CaO} \cdot \text{MgO} \cdot \text{SiO}_2$ []
MgO
 FeO
 MgO
 MgO
 []
 MgO
 [] °C
 MgO
 []
 ST6 ST0 () ()



(.) **CaO-MgO-SiO₂** :



ST6(b) ST0(a)

9	8	7	6	5	4	3	2	1	0	Talc (%wt)
72.17	72.55	73.11	73.57	73.21	72.87	72.41	71.83	70.99	70.3	TI of laboratory sinters
79.17	79.59	80.20	80.71	80.31	79.94	79.43	78.80	77.88	77.12	TI of plant sinter

°C ST0

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(/) ST6

°C °C

MgO /

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[]

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/	-	CaO	/	/
		/	°C	°C
				/
	-			
		CaO		
		MgO		
/		MgO		
	/			

نتیجه گیری

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