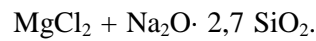
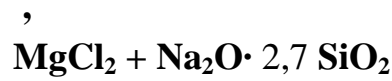


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614.84

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For fireproofing suppressing of fires of flammable materials it is proposed to use gel-forming system. By the means of thermogravimetric techniques it was explored the kinetics of combustion of treated by gel-forming system MgCl₂ + Na₂O · 2,7 SiO₂ wood. It is determined the matters affecting the mass rate of burning out of wood.

[1 – 3].

2

20

[4, 5]

4

[6]:

$$V = \frac{1}{\hat{}} \cdot \frac{1}{S} \cdot \frac{dn}{d\ddagger},$$

n — (), S — , n — :

$$n = m/M,$$

— , m — , dm/d :

$$V = \frac{k}{S} \cdot \frac{dm}{d\ddagger},$$

k — , k — :

$$V_m = \frac{1}{S} \cdot \frac{dm}{d\ddagger}.$$

V_m — ()

), ()

[7].

, « ».

6×5×1 .

5

(30).

-600

0,01 .

1,5 .

MgCl₂+Na₂O·2,7SiO₂

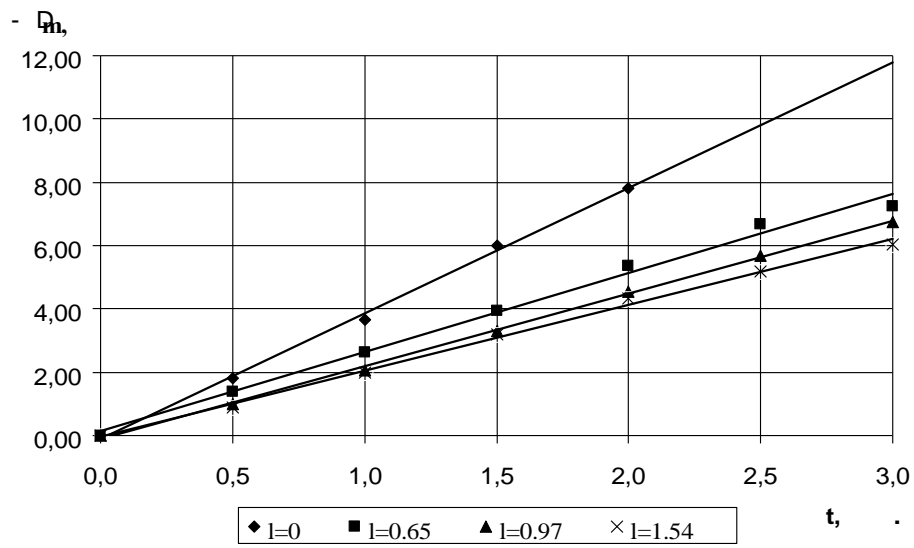
30 .

0,5 – 1,5 .

1

MgCl₂(9,0 %) +Na₂O·2,7SiO₂(9,5 %)

dm/d

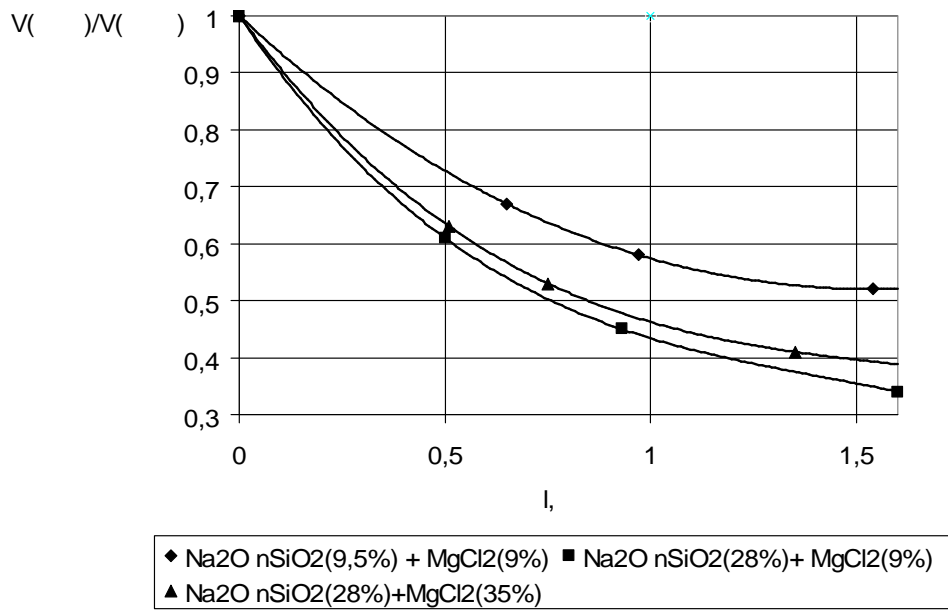


. 1.

. 2

(V)

(V).



. 2.

(V /V)

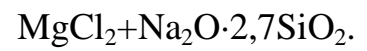
MgCl₂+Na₂O·2,7SiO₂

. 2,

1,5

[4, 5].

28 % 3 – 4.



28 %

~1,5

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