

.3.

(= 270 - 280),

(= 340-350)

, - , - ,
- ; 1 - , 2 - ,

(),

: 1.

.. //

, - 1996. - 6. - . 3-11. 2.

-
-
.-

∴ , 1985. - 548 . 3.

:

.-

:

/

.. , .. , .. . - . , . , 2002. - 205 .

25.09.06.

666.76

.. , . . , .. , . . ,
.. , , « »

The elaborations of compositions of lining materials for trolley of tunnel furnace are given in this paper. The properties of materials are researched. Phase compositions of given material is analyzed. The optimal compositions are recommended for application into production.

[1],
 -9 -40 « » (. . 1.)
 (NaPO₃)₆,

[2 – 6].

1

-1	-2
« » - 30 %	« » - 30 %
-9 - 70 %	-40 – 70 %

, %:	, %:
1-5 - 50 %	1-2 - 24%
5-10 - 50 %	2-3 - 12 %
	3-5 - 17 %
	5-10 - 47 %

:

(2409),

R, ,950 (7875.2-94), -

l (5402.02-2000, 2477-87),

0,6% (4070-2000, -1893-89),

(4071.1-94,

-10059-1-92).

2.

2

(,)	, / 3	, %	l , %	R , ,950,	0,6%, 0	,
-1 ((NaPO ₃) ₆)	1865	41	-0,5	5	1040	17
-2 ((NaPO ₃) ₆)	2183	33	-0,45	12	1090	25
-1 ()	1985	17	-0,6	20	1040	35
-2 ()	2070	18	-0,4	17	1090	18
-1 ()	1890	20	-	-	-	8*
-2 ()	1970	26	-0,6	17	-	5* (20)

«*»

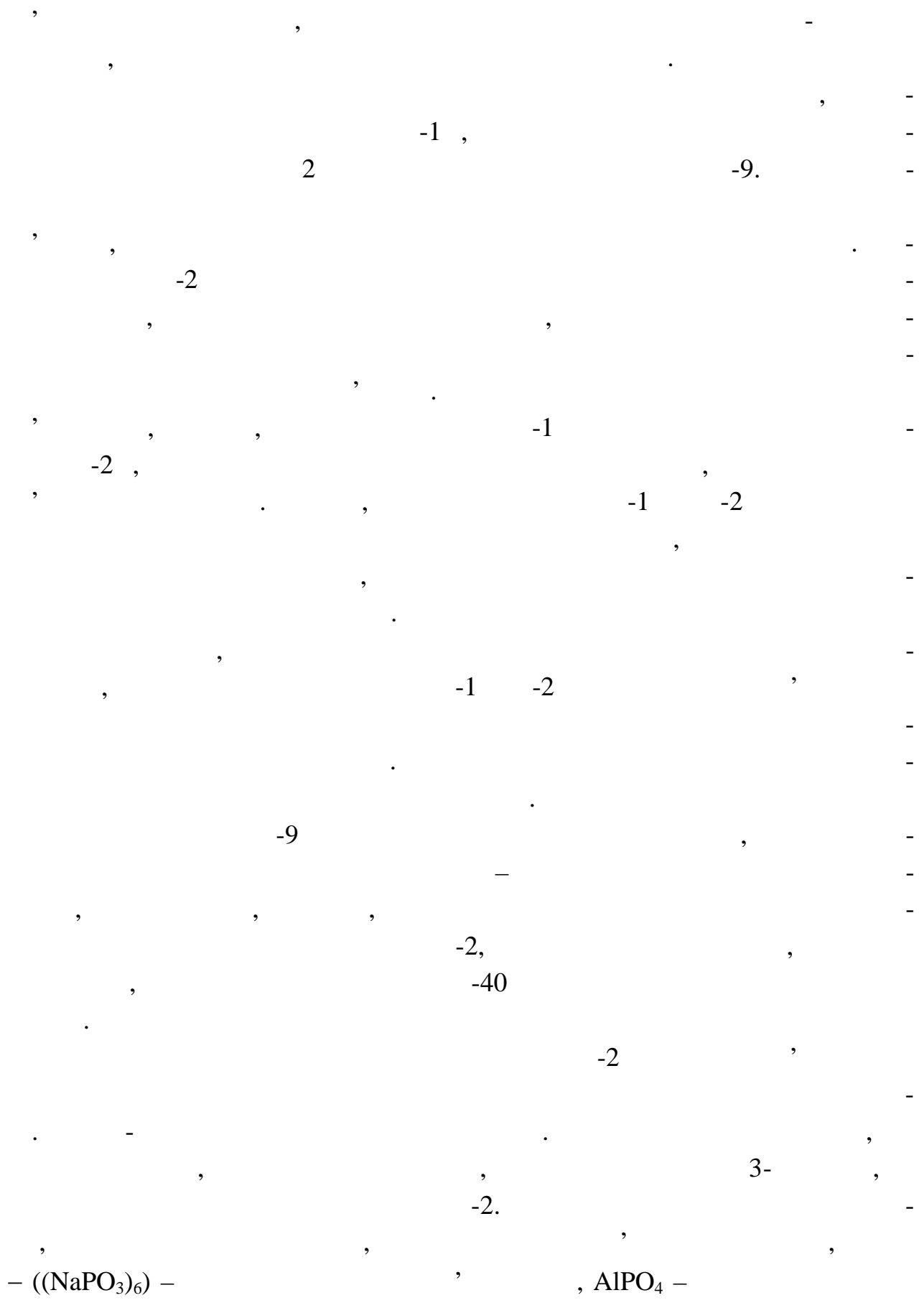
28 .

0,6 %

2 .

0,6 %

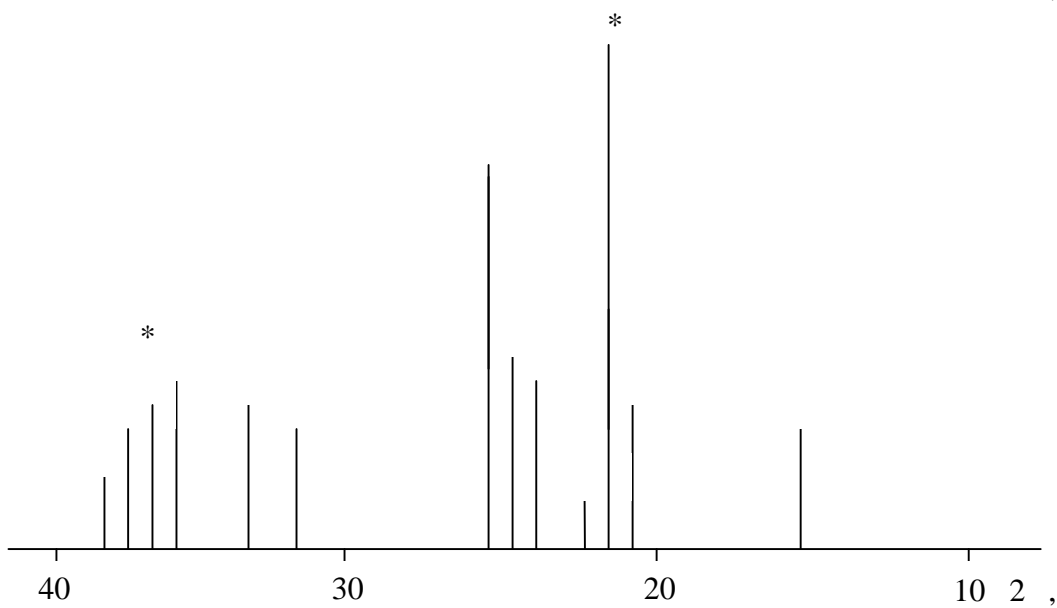
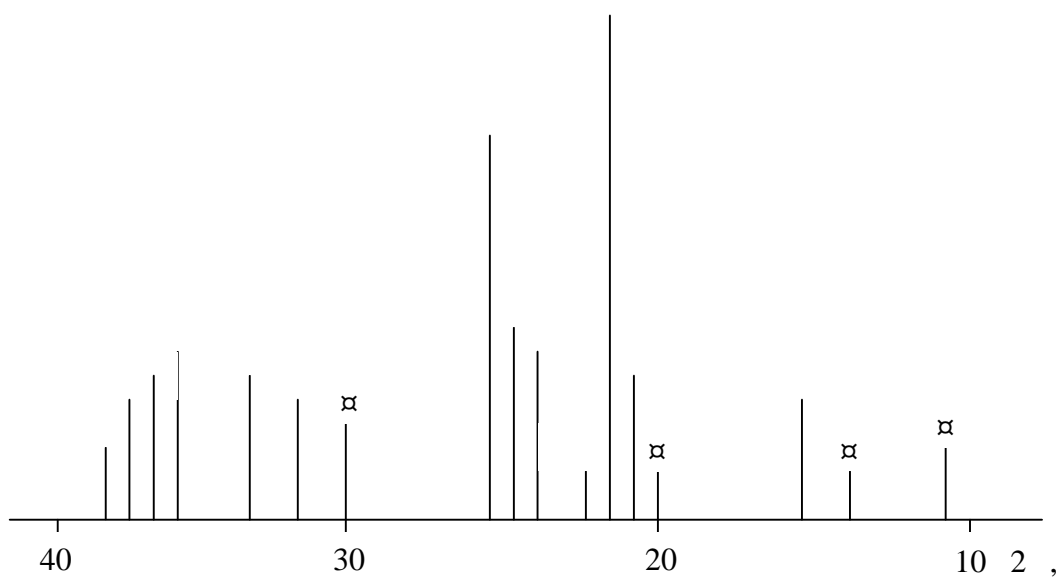
1 2





(= 588⁰), ,

2000⁰) $\text{CaO} \cdot \text{Al}_2\text{O}_3$ (= 1600⁰) $\text{CaO} \cdot 2\text{Al}_2\text{O}_3$ (= 1765⁰) $-\text{AlPO}_4$ (~



163

40 — 30 — 20 — 10 2 ,
 — — — — :) -2 ,) -2 ,) -2 .
 — 3Al₂O₃·2SiO₂, — SiO₂- , — SiO₂- ,
 α — ((NaPO₃)₆), * — AlPO₄, — CaO Al₂O₃, — CaO 2Al₂O₃.

: 1. . . . , 1968.
 367 . 2. www.ogneupory.com. 3. www.polystrom.ru. 4. www.futerovka.ru. 5. www.termoblock.ru. 6. -

 // . - 2. — 2005.
 — . 36-38.

28.09.06.

666.1.055.3.

. . . . , , “ ”,
 , , “ ”,

,