

2 1959 .

600

4

[5].

[6].

[7, .3].

[8].

[9, .166]:

450 (1050

28 %

10

[9, . 121]. -

(20 %) [9, . 122].

[10, .123],

[11].

1. 1961. 2.) 1959. 3. 1972. -493 4. 2003 - 320 1985, .251. 6. 1954. 7. 1971-176 8. 1973-163 9. 1982. - 288 10. // 1988. - N11. 1987. 11.

06.09.06.

666.762

In the paper proposed the results of the rheological properties research of Oposhnyansky clays belonged to different deposit depths have been given. The research have been done with usage of S.P. Nichiporenko technique. The structural - mechanical types of clays have been established. The application area for researched clays has been recommended.

18

: 1-0,7-1,7 ; 2-1,7-3,4 ; 3-3,4-4,7 ; 4-4,7-6,1 ; 5-6,1-11,8 ; 6-11,8-14,0 ; 7-14,0-17,0 .

(1,5 - 6)

(6 - 17) .

(.1 - 3)

5 7 , 3 - 4 -
1 - 2 -

2 - 4

« 3 - 7 »

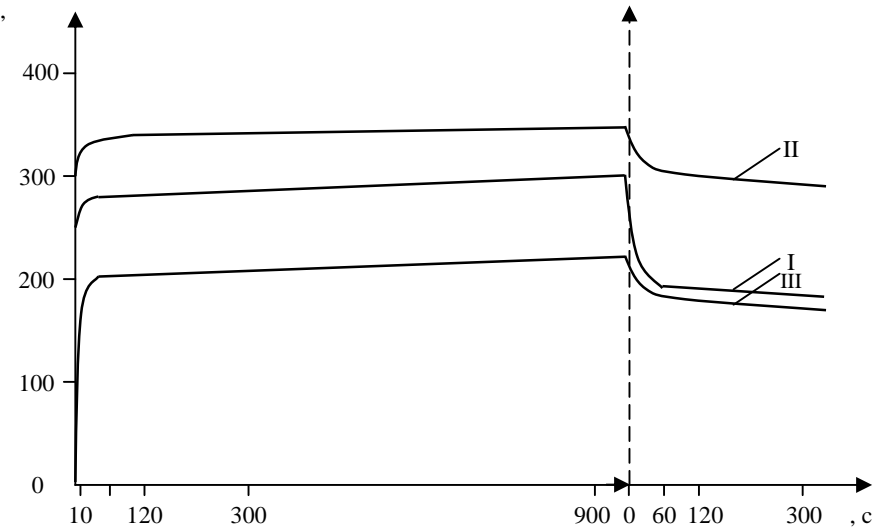
940 - 1060° .

« » .

.1. .2.

2:1, 1:4, 1:3 . (.3, .4 .5).

4:1, 3:1,



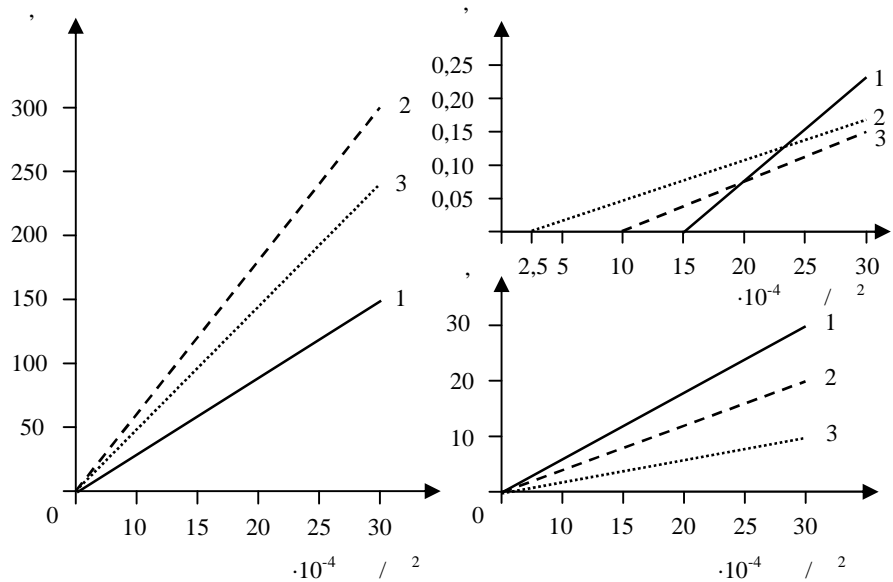
.1.

I - 6,1 - 9,0 ; II - 11,8 - 14,0 ; III - 14,0 - 17,0

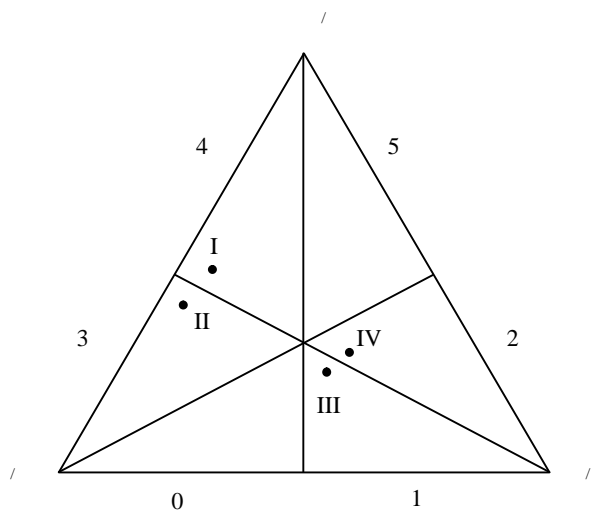
2 3 - g - Si 2,

1350 .

1,2 - 3,4 %, $l_2 \ 3 - Si \ 2$, $Al_2O_3 - MgO - SiO_2$ g .
4:1 1:4



.2. 6,1-9,0 ; 2 - 2 ; 3 - 14 W = 40 %:



.3. I - 6,1 - 9,0 ; II - 11,8 - 14,0 ; III - 14,0 - 17,0 ; IV - 14,0 - 17,0 (1,5 %)

	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	SO ₃	K ₂ O	Na ₂ O	
1	72,22	12,58	3,4	1,0	1,23	0,53	0,05	1,68	0,6	5,74
2	72,1	10,15	3,06	0,82	4,06	0,51	0,08	1,93	0,65	6,62
3	64,13	13,67	4,8	0,82	4,74	0,94	0,05	1,68	0,4	8,78
4	60,15	14,78	5,58	0,85	5,53	0,95	0,02	1,6	0,4	10,45
5	58,8	18,0	6,09	0,89	3,75	0,72	0,02	0,4	0,18	11,14
6	61,26	19,25	6,56	0,95	1,4	0,52	0,06	0,19	0,18	9,85
7	72,81	15,56	1,95	1,56	0,97	0,1	0,02	0,19	0,12	7,07
8	64,73	19,4	2,97	1,06	1,4	0,82	0,24	0,7	0,04	8,72

	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	
-2	48,5	0,96	35,08	0,76	0,44	0,46	0,14	0,51	13,42
	45	0,83	37,1	0,62	0,46	0,46	0,32	-	11,75
	46,28	-	37,56	0,59	0,35	1,68	1,02	-	13,52

		4:1	3:1	2:1	1:1
1	Al ₂ O ₃	37,26	35,99	-	33,87
	MgO	1,82	1,92	-	2,10
	SiO ₂	60,92	62,09	-	63,03
2	Al ₂ O ₃	37,09	35,67	32,98	-
	MgO	1,69	1,86	2,12	-
	SiO ₂	61,22	62,47	64,90	-
3	Al ₂ O ₃	37,85	36,73	34,86	-
	MgO	2,48	2,74	3,17	-
	SiO ₂	59,67	60,53	61,97	-
5	Al ₂ O ₃	39,24	38,48	37,27	-
	MgO	2,05	2,18	2,42	-
	SiO ₂	58,71	59,34	60,31	-
6	Al ₂ O ₃	37,22	36,65	35,60	-
	MgO	2,83	2,97	2,70	-
	SiO ₂	59,95	60,38	61,70	-
7	Al ₂ O ₃	37,84	35,87	36,72	-
	MgO	1,31	1,22	1,28	-
	SiO ₂	60,85	63,91	62,00	-
8	Al ₂ O ₃	38,96	36,72	38,11	-
	MgO	1,70	1,80	1,77	-
	SiO ₂	59,34	61,48	60,12	-

		4:1	3:1	2:1	5:1
2	Al ₂₋₃	39,15	37,6	35,49	-
	MgO	2,18	2,9	2,7	
	SiO ₂	53,64	59,5	62,08	
3	Al ₂₋₃	40,30	39,01	36,89	-
	MgO	2,35	2,62	3,07	
	SiO ₂	57,35	59,36	60,03	
5	Al ₂₋₃	39,82	40,71	36,33	-
	MgO	3,26	3,18	3,4	
	SiO ₂	56,92	56,11	68,27	
6	Al ₂₋₃	46,43	47,11	46,60	-
	MgO	1,74	2,09	1,87	
	SiO ₂	51,83	50,80	51,45	
7	Al ₂₋₃	40,29	39,02	36,89	-
	MgO	1,18	1,16	1,12	
	SiO ₂	58,53	59,82	61,99	
8	Al ₂₋₃	41,28	40,25	-	38,54
	MgO	1,59	1,67	-	1,79
	SiO ₂	57,13	58,08	-	59,67

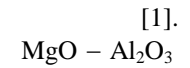
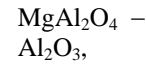
		4:1	3:1	2:1	1:4	1:3	1:2
6	Al ₂₋₃	40,34	40,11	38,68	-	-	-
	MgO	2,69	2,65	2,78			
	SiO ₂	56,97	57,22	55,54			
7	Al ₂₋₃	39,41	38,18	-	24,79	26,00	28,04
	MgO	2,44	2,34	-	1,23	1,32	1,49
	SiO ₂	58,15	59,47	-	73,98	72,68	70,47
8	Al ₂₋₃	40,39	39,41	37,80	-	-	
	MgO	1,84	2,84	2,84			
	SiO ₂	57,77	57,75	59,36			

16.09.06.

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In this article the analysis of literature sources about spinel characteristics and its use for producing the ceramics and refractories as well unmolded one has been presented.



1925 ().

0,8086

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8...9.

3,58 / ³ [2].

