

21.09.07

620.168: 624.016

• • , ,  
 , - ,  
 ,  
 , - ( ).  
 ,  
 .

The technology of reception composite of a material with use is offered as the basic component binding –crushed silica-lump. The technology allows to receive materials with the raised(increased) operational properties under the simplified technological circuit, provides mechanization of production, decrease of expenditures of labour and increase of quality of production.

**1.** • -  
 , .  
 : ,  
 - , ,  
 , , -  
 , -  
 , -  
 [1, 2, 3].

**2.** • -  
 - , -  
 ,  
 [3, 4].  
 , -  
 , : -

[1, 4].

500

$250 - 300 / 3$ ,

(55 - 60 %

),

(

).

**3.**

**4.**

( - ( ) ).

( 2,8 – 3,0)

. 1,

1

		0,08, %	0,08, %
1	-	81,3	17,2
2	- - : 6 : 1	47,2	49,4
3	- - - : 6 : 1 : 2	89,6	9,5

( 3) - ( 2) ( 1),  
 - ( 2)  
 ( 3)

4 - 8  
 15 - 20

12 - 15

5 - 10

50 80  
 1 : 1 : 1

3 %)

( ),

2

			, %				
			15	20	25	30	35
1		1 : 3	–	0,5	0,8	0,7	1,1
2	-	1 : 3	–	1,1	1,1	1,1	1,1
3		1 : 1	–	0,4	1,3	1,5	1,4
4		1 : 2	–	0,9	2,5	2,7	2,2
5		1 : 3	0,4	2,4	4,5	4,1	2,9
6		1 : 4	0,7	1,8	3,3	3,0	2,7

-

:

1.

( ),

( 1).

-

( 2)

(

10 %

).

2.

(

1,3 / )

( )

, 45 % 20 %.

3.

-

:

-

1 : 3 ( 5 )  
).

25 % (

(20 – 25 . %  $\text{Na}_2\text{Si}_3$ )

[4].

80 – 90 °



2. 75451, 7 4 28/26, 4 1/74 / . . .  
 . . . “ - ,  
 ” – . 17.04.2006. . 4. 3. . . , -  
 . . // -  
 5, 2004, .26-27. 4. . . -  
 - . , I, 1986, .35-36. 5. . . -  
 / - . – , 1986.

21.09.07

921.626

. . , . . ,

, -  
 ,  
 - .

Technological and power indexes, features of construction and speed modes of working surfaces of the mill of the forced growing of materials shallow, developed for the resource-economy in the processes of ore-preparation of enterprises of gorno-metallurgicheskogo complex, are considered.

.  
 . -  
 , -  
 ( ),  
 5 20 % . 70 %  
 - . -  
 , -  
 - ( ) 35...40 .  
 ,  
 14...21,7 . / . -