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The carbon nanotubulenes as dispersive reinforcing bars for the manufacturing of the nanodispersive powder materials of high strength with a help of vibro- (impact) pressing are discussed. Such approach is also well for the fabrication of the radiation stable and nonautoclave concretes. The conditions for the production of the constructive materials with designed operational properties are determined.

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[1, 2].

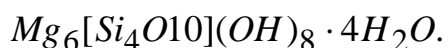
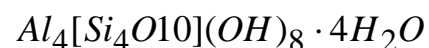
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bon nanotubulenes),

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[3] -

*Cu, Cr, Ni.*

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[4]

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[5].

[6 – 9],

0,34 ,

[10] c

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[13, 14]

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[15, 16].

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100 ; 100 50 ( ) ; 50 - 500 2 ( ) ; 500 - 5 ( ).

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- [18], . . , ( ) , ( ) , .

[17].

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1) « : » ( , .);

2) « » ( , , - , - .).

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[12].

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: 80...84 %, 11...16 %, 1,5...5,5 %, 0...2,3 %, 0...1 %, 0...1 % ( ).

,

80...90 %

0,086 / 3,

40...60

%	/ 3	,	, } , / 0	,	
0	330	0,18	0,07	40...600	
0,05	309	0,306	0,056	60...150	

1,

1,7 , , -  
( 20 % , .  
) . -

500 / <sup>3</sup> . , -  
65 % 1,45 .  
500 / <sup>3</sup> -  
0,87 .

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- [19]. -  
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 10 -  
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- 1) 60 70;
- 2) ;
- 3) ;
- 4) ;
- 5) ;
- 6) ;
- 7) .

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 12 (!) !  
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 ( . . . , . . . , . . . , . . . -  
 2107049 « » , -  
 20.03.1998 .).  
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 -  
 2800 <sup>2/</sup> 20 %  
 0,14...2,5 1 : 1  
 - (0,2 % ),  
 -3 0,7 %  
 ( - ) 0,015 % .  
 -  
 2  
 - X -  
 « » . ( . -  
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 6000 . 1 .  
 2  
 20 30

[20]

	,		-	-
- 28 .	18,0	8,0	3,0	28,0
, 3500 180 .	26,7	12,0	9,0	27,0
, 6000 365 .	26,0	8,0	10,0	25,1



( 3).

3

[20]

		, /
		0,077
-		8,832
, 200 <sup>0</sup> -		1,630
-		4,673

10...20%,

( 4).

4

-137

-90

, % .	:			
	+		+	
	Cs-137	Sr-90	Cs-137	Sr-90
1	0,05	/	/	0,11
4	0,08	/	0,08	0,15
7	0,24	/	0,08	0,19
14	0,50	/	0,08	0,27
28	0,80	/	0,08	0,33

( , « » )

Cs-137.

Cs-137

4,

, Sr-90

1.

( )

2.

3.

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[20]

-60

6000 , -  
- -  
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(SiO<sub>2</sub>), Ca(OH)<sub>2</sub> -  
-  
5. , [21], -  
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, -  
. , MgO-C ( -  
) -  
, 2 % -  
( / ), -  
, 2 % -  
- , -  
- -  
, . -  
, -  
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6. -  
- -  
, , , -  
( !).

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