

• „ • „ • „ • „
 • „ • „ • „ • „
 • „ (, , , , ,
 . ,)
 38(044)468-85-99, E-mail: bogatyreva@ismkiev.ua

1.

, , , [1]

[2]

[3].

() [4].

[5].

2/1 [6],

1:3 1:100 () () ()

0,75 ³. , ,

, (, .1).
(N).

1.

/	W	W	N
1	0,625	987,5	0,43
2	0,625	1560	0,44
3	1,0	1600	0,27

[7]

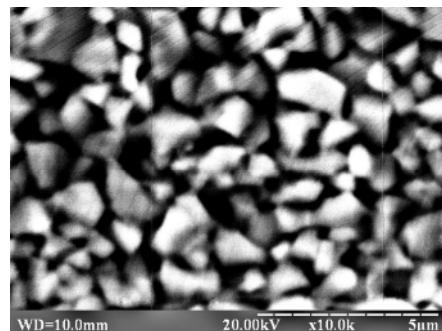
, 106 , « ».
Megran

[8].

2.

2/1

.1, .2 , , .



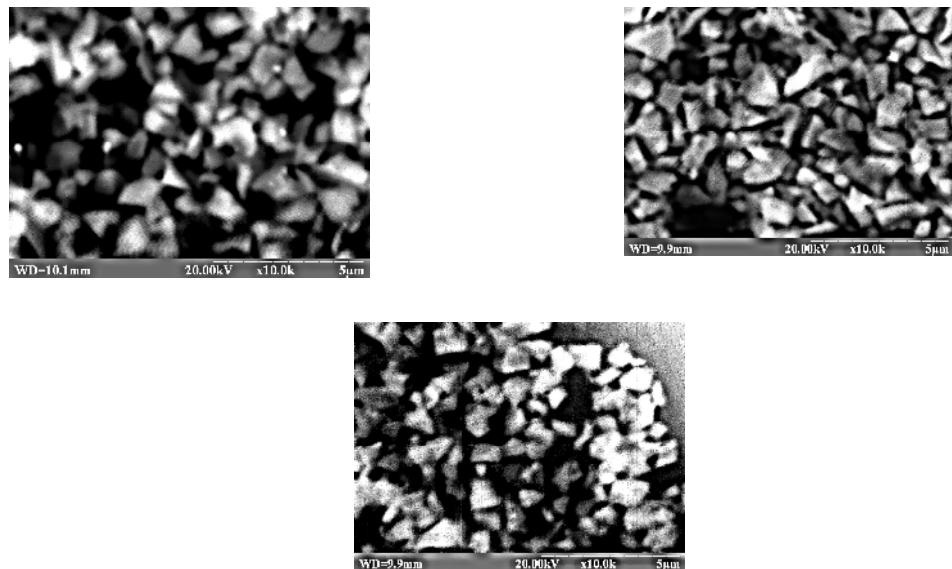
. 1.

2/1

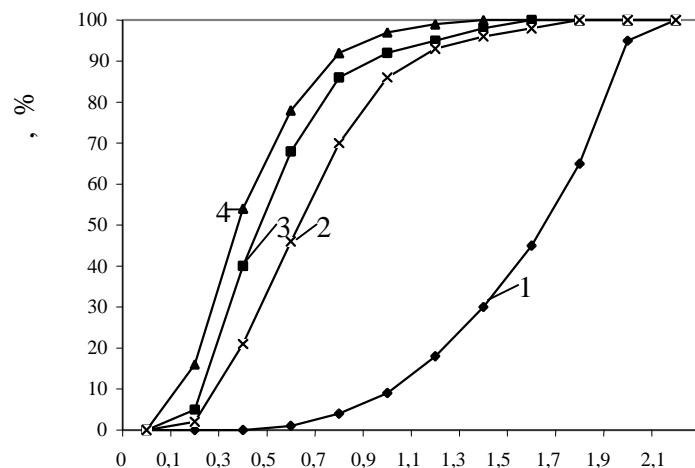
,

—
0,5–2,1
-0,5+0
1 - 46 %. (2)
(60%). 2 (3)
78%.

[9].



.2. 2/1
1(); 2(); 3()



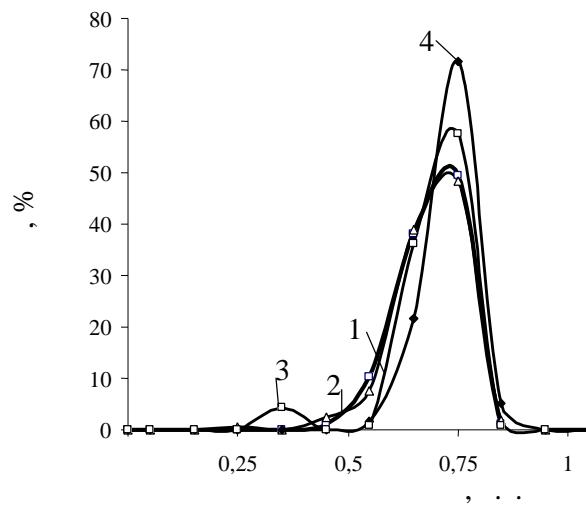
. 3. 2/1:
-1;
(2); 2 (3); 3 (4)

,)

2/1.

,
 [7].
 $4F = \frac{4\pi S}{P^2}$,
 S -
 , $P =$
 0,2 1,0

.4.



.4. 2/1
 (): -1;
 1 (2); 2(3); 3 (4)
 0,45 0,85 (, .4, 1).
 1560 (2, 3) 0,25-0,45 0,55-0,85
 : .
 1600 (3, 4). 0,65-0,85
 ~99 %
 , 3,5

$$4,3 \cdot 10^{-8}, \quad ^3/_1, \quad - \quad 1,2 \cdot 10^{-8}, \quad ^3/_2/ \quad .$$

0,3 .

• 1. . . , . . , . .

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347-353; 2.

THE HIGH-VOLTAGE ELECTRICAL DISCHARGE IN A FLUID AS THE ACTION METHOD ON THE BASIC PERFORMANCES OF MICROPOWDERS OF CUBIC NITRIDE

Bogatyryov G. P, Majstrenko A. L, Sizonenko O. N, Olejnik N.A., Ilnitsky , Nesterenko J.V., Taftaj E.I., Torpakov A.S., Lipjan E.V., Zajchenko A.D. (Institute of superhard materials of Ukraine, IIPU of Ukraine, NTU Kiev, Nikolaev, Ukraine)

Abstract. The research results of destruction of the powder of cubic boron nitride as well as hydrodynamic waves generated by electric pulse of high power in liquid, the interrelation of parametres of processing distribution on the sizes of particles, with the shape of particles and the content of impurities are presented

Key words: The powder of cubic boron nitride Processing high-voltage in a fluid