

3

* . . . , ** . . . ,

* . . . , *

*

**

,

α+ - , (-

) 3, . -

, -

[1]. -

3

,

[2] , -

, -

3.

[3] , -

, -

[4] , -

,

35° . , -

20...30° [1], 3

3

3

()

(). , [5,6] -

[7]

[8],

$\alpha \leftrightarrow$ -

[2].

[9],

(α^-) -

2.

8 (-Ti; Al -5,5%; - 3,7%; Zr - 0,9%; Sn - 0,9%; Si - 0,15%)

().

1,5 .

[10].

(3)

$\pm 5^\circ$.

«NEOPHOT-32»

JSM - 300 J L

20...30

3.

(α^+) -

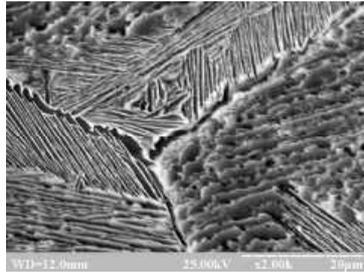
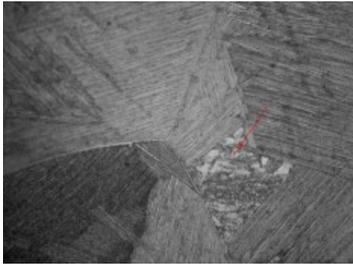
(. 3 , 4),

100...200 .

- ,
2...4

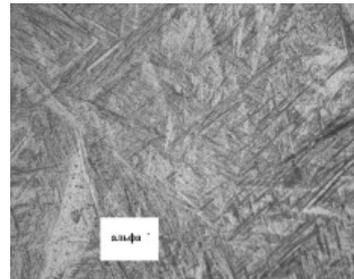
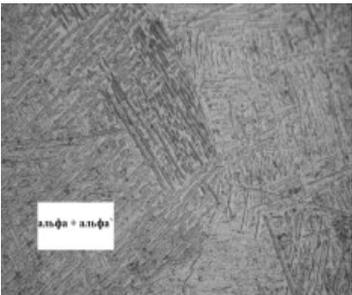
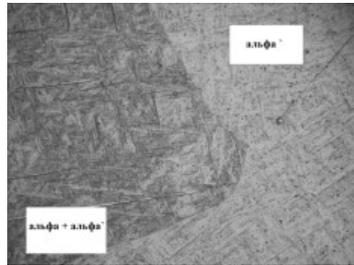
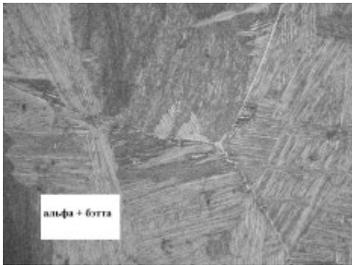
40...50 . , ,
α-

α-



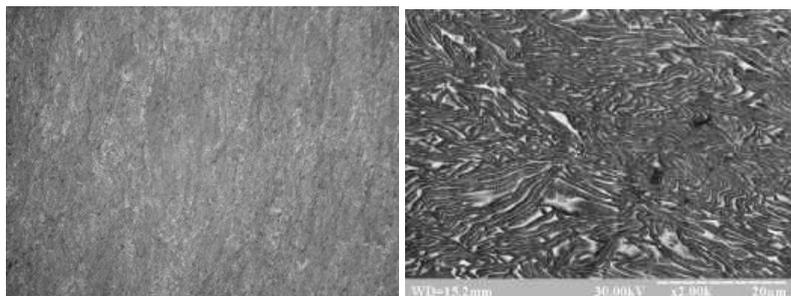
. 1.
) : -

(- α- -
, 500 ; - -

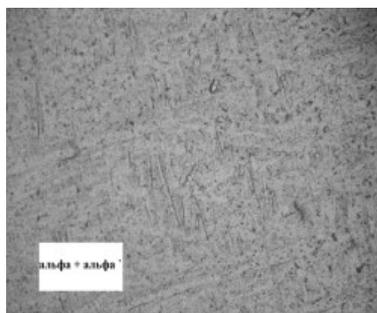
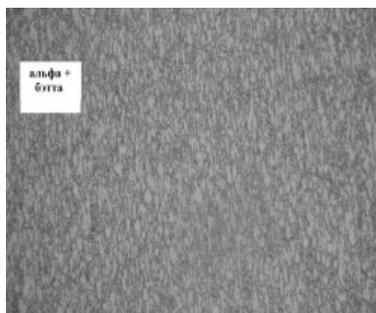


. 2.

, 500 : - 950° ; - 960° (-
) ; - 960° ; - 970° .



. 3. , : -
 , 500 ; - .



. 4. , 500 : - 920° ;
 - 930° ; - 940° .

1. []; []
2. , - 1992. - 352 .
3. 2005. - .45-51. 23
4. 2007. - 7. - .5-1
5. []// . - 1993. - 6. - .38-39.
6. 2007. - 2. - .185-188 (α+)-
7. . - 2010. - 5-6. - .11-15.
8. 2009. - 6. - .28-32.
9. , 1973. - 320 .
10. []// . - 1999. - 3. - .109-111.