

10 2

... „ ... „ , ... „ ... „ ,

350

[1]

(U₆₀ 29,4 / ², V₆₀ 19,6 / ²). (₅ 19%) 390 ,

10 2 ,

[2, 3].

10 2

[1].

() 10 2

18,7 , %: 0,08; Si 0,249; n 1,57; V 0,05; Nb 0,05; [N] 0,006; S 0,007; 0,013.

660 ; ₅ = 24,8...26,3 %; ψ = 62,0...64,8 %, U = 220...324 / ²; V = 204...300 / ² 60⁰ .

Z
(ψ_Z = 65,0...69,7 %),

10 2 ,

23240-78.

$$U_{-60} = 346 / ^2.$$

10 2 ,

$$60^0 .$$

()

$$600...500^0 .$$

(.1)

(2)

«Gleeble-3800» [4],
86

$$1200^0$$

$$(1,5 \quad 150^0 / , \quad 55^0 /)$$

$$600...500^0$$

$$W_{6/5} = 20^0 / (. 1, \quad 1, 2, 3)$$

$$W_{6/5} 1,5 \quad 3^0 /$$

()

$$1850...2030 / ^2$$

$$2140...2430 / ^2 (. 2,$$

1, 2).

$$10^0 / (. 1, \quad 3)$$

$$3^0 /$$

1920...1970 / ^2),

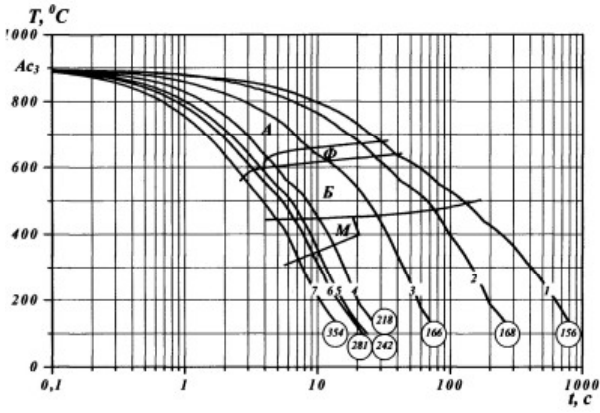
$$(\mu 2360 / ^2)(. 2, \quad 3).$$

$$20^0 / .$$

((\mu 2100...2360 / ^2)

(\mu 1850...

2030 / ^2).



10 2 . 1

1 - $W_{6/5}=1,5^0$ / ; 2 - $W_{6/5}=3^0$ / ; 3 - $W_{6/5}=10^0$ / ; 4 - $W_{6/5}=30^0$ / ;
 5 - $W_{6/5}=38^0$ / ; 6 - $W_{6/5}=45^0$ / ; 7 - $W_{6/5}=55^0$ / .

(; ; ; -)

20^0 / .

(μ 2100...2360 / 2) -
 (μ 1850...)

2030 / 2).

30^0 / (. 1, 4)
 $W_{6/5} = 20^0$ / .

(μ 1750...2000 / 2)

(μ 2140...)

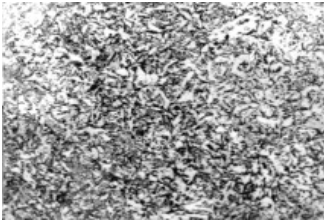
2280 / 2) (. 2, 4).

$W_{6/5} = 30$ 55^0 / (. 1,

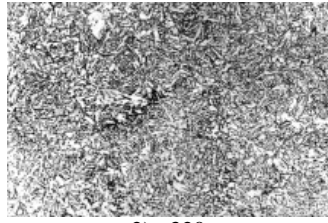
4, 5, 6, 7)

370^0 , 440^0 , 310^0

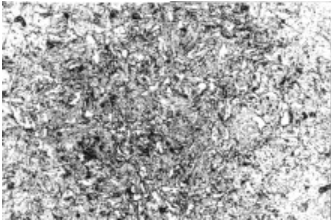
10 2 .



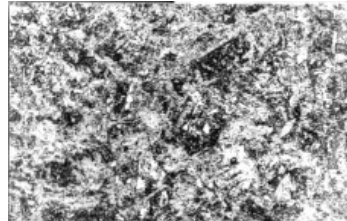
1) 320



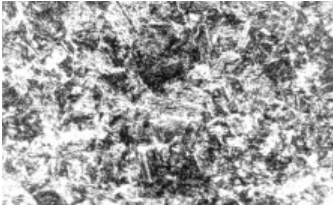
2) 320



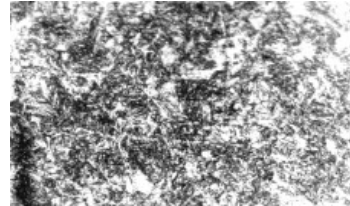
3) 500



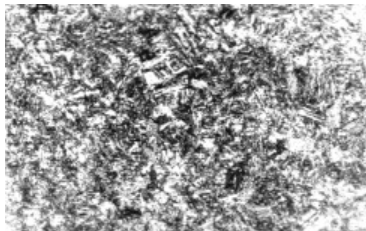
4) 500



5) 500



6) 500



7) 500

.2
10 2

(4)
(.)

.1)

$$W_{6/5} = 30^0 / (. 2, 4)$$

83 % (), 12 % () - -
 $W_{6/5} = 55^0 / (. 2, 218 \text{ V}, 7) 35 \% 65 \% -$
 $354 \text{ V}.$ 10 2 -
 68 , , 13585-
 $600 \dots 500^0 W_{6/5} = 2,5 \dots 24^0 \text{C/}$ -
 V , -
 $W_{6/5} 9^0 / .$ -
 ($V_{-40} > 47$), 10 2 -
 $9^0 / .$ -
 « » [5] -
 [6]. - 6 , -
 $0,1 .$, 0,8 -
 $= 25 , V = 9 / .$ - 10, 4 : - 18,7 , U -
 . -
 - 10 18,7 -
 gafil 821R 1,2 4,0 , 2 -
 $20 \dots 90^0 .$ -
 « » , -
 $1,8 /100$ 10 2 , -
 $= 475 (. 3),$. -
 $275 (. 3),$ 4,2 /100

90° (.3).



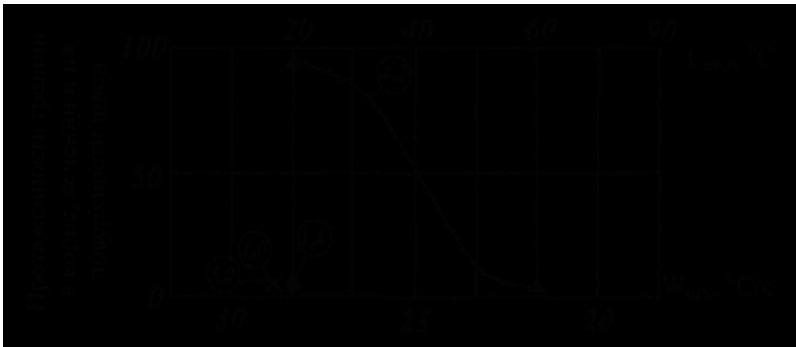
[H], /100

. 3

« »: - 60° ; - 40° ;
- 90° .

« » (. 4). -10
1,8 /100 (gafil 821R
)

$$W_{6/5} = 20^0 / 2$$



. 4 10 2 600...500°

(« »): × - Megafil 821R

2; , - -10, ()

$$W_{6/5 \text{ min}} = 9^0 / W_{6/5 \text{ max}} = 20^0 / c$$

10 2

10 2

« » 13-7024.

10 2 ,

1500 - ,

« »

1. 32.153-2000.

2.

// . - 2005, 4, .39-43.

3. 1000. //

, 2006, 11, - .68-81.

4.

// . - 2008. - 10 - .31 - 34.

5. , 1981. - 247 .

6. : : , 1984. - 216 .