

621.74

.. . , - . . , .
 .. : +994 (055) 7872477; E-mail: hasanli_dr@mail.ru

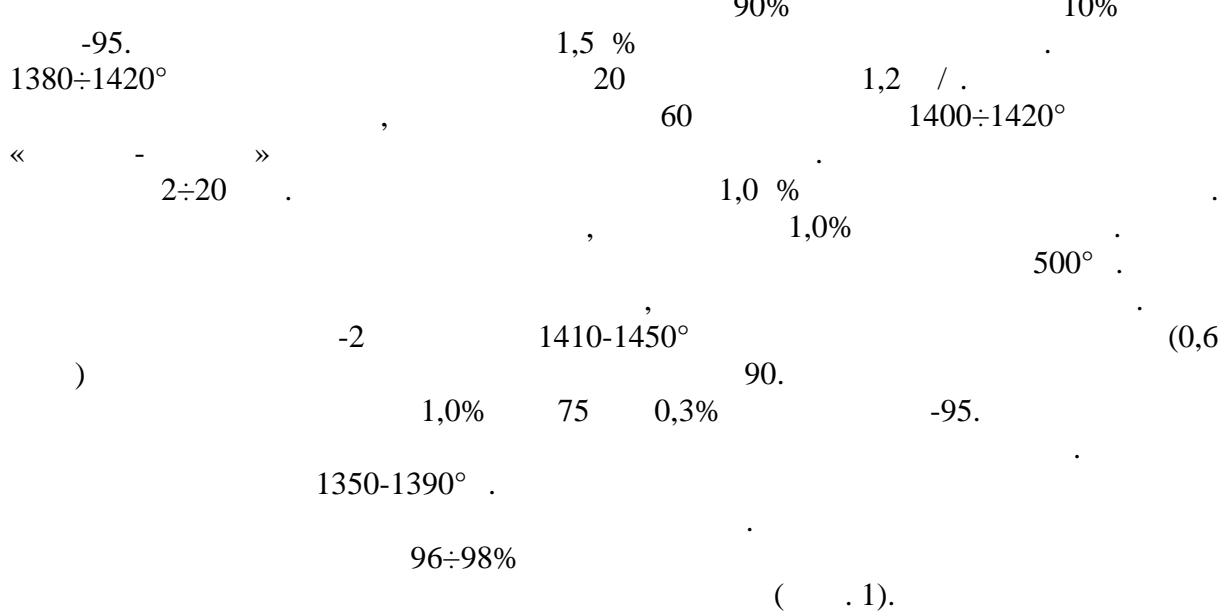
(. .). ,

,

: . , , , , , , , , ,

1.

, [1,2],
 [3÷6]. ,

2.

1.

	, %					
		Si	Mn	S	P	Mg
	3,71	2,17	0,34	0,025	0,08	-
:						
	-	1,02	-	-	-	0,24
	-	1,15	-	-	-	0,20
,	-	0,97	-	-	-	0,24
,	:					
	3,70	3,09	0,34	0,014	0,08	0,059
	3,59	3,20	0,34	0,009	0,08	0,043
	3,65	2,89	0,34	0,006	0,08	0,061

140

6÷40

,

25

25

5

10 10 55

,

40

600÷900 m^{-2}
12÷20

,

,

, 6 ,

,

130 m^2 ,

6

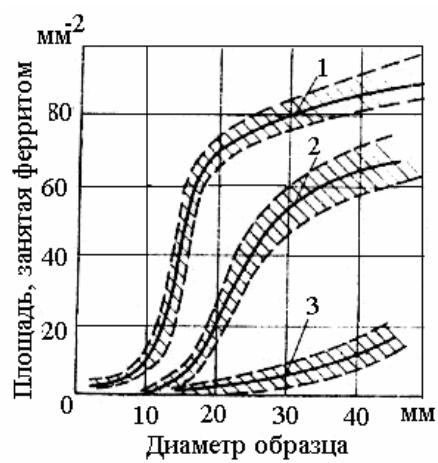
, 20 ,

,

40

20÷40

(, 1).



. 1. : , 2-
,

,
,

,
,

,
,

,
,

,
9÷13
5÷7 .

,
,

,
,

[. 2, (1), (2), (3)].
,

50. 7293-85 : 40, 45

(. 2).

2.

	1	2	3	1	2	3	1	2	3
σ ,	510	535	585	490	442	430	655	625	610
σ ,	330	345	390	321	315	308	586	570	545
$\delta, \%$	14	7,5	2,7	18	15,1	14,1	5,4	5,3	4,7
α , / 2	745	300	110	1385	1105	905	317	299	262
	150- 175	190- 210	300- 327	142- 150	142- 150	141- 150	283- 317	283- 317	283- 319

1380°

1400° ,

1400 1450 .

3.

1400 1450° .

1. , 2010, 10, 10-16.
2. / , , / , 2008, 126-133
3. , 2013, 250
4. / , 2001, 203
5. , 2010. 40, 50-52
6. // , , 2010, 6(50), 593-596

R. Hasanli

**INFLUENCE OF WAYS OF MODIFYING ON
STRUCTURE AND PROPERTIES
OF HIGH-STRENGTH PIG-IRON WITH
SPHERICAL GRAPHITE**

Questions influence of ways of modifying on structures and properties of high-strength pig-iron with spherical graphite are considered. It is established, that effective way of modifying of high-strength pig-iron with spherical graphite is processing of pig-iron in the foundry form. By researches it is found out, that modifying in the foundry form provides reception casting from pig-iron with spherical graphite with high mechanical and operational properties. Influence of temperature of filled in metal on structure and properties of pig-iron with spherical graphite is investigated.

Key words: modifying, temperature, high-strength pig-iron, structure, properties, quality

17.05.2013 .