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 [3÷6]. ,
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 2.
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 90% 10%
 -95. 1,5 % 20 1,2 / .
 1380÷1420° 60 1400÷1420°
 « - »
 2÷20 . 1,0 %
 , 1,0%
 500° .
 -2 1410-1450° (0,6
) 1,0% 75 0,3% -95.
 1350-1390° .
 96÷98%
 (. 1).

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 .

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- 10 10 55 , .

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, 600÷900 ⁻², 12÷20 ,

40 .

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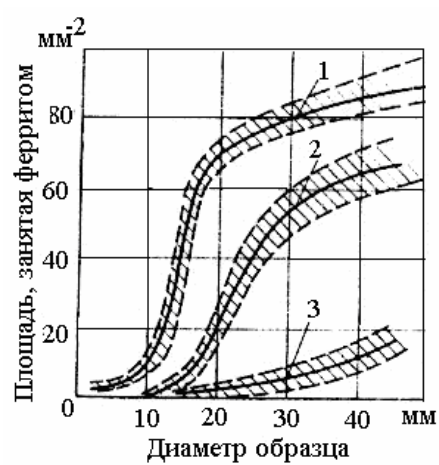
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7293-85

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50.

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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	283- 319

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1380°

1400° ,

1400 1450 .

3.

1400 1450° .

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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 .