

[at%Au]	Z [e/a]	T _c [K]	Ref	T _K [K]	Ref	r [mWcm]	Ref	1/r d r/dt [10 ⁻⁵ /K]	Ref	R _H [10 ⁻¹¹ m ³ /As]	Ref	S'(T)/T [nV/K ²]	Ref
0	4,00	4,64	1	40	2	24,6	1			-1,990	1		
10	3,70	6,42	1	41	1	53,1	1			-4,170	1		
15	3,55	5,73	2	184	2								
15	3,55	5,81	1			65,2	1			-4,580	1		
20	3,40	5,08	1	219	1	52,6	2	-12,33	2	-4,850	4	-3,29	2
25	3,25	4,77	2	260	1	61,4	2	-14,74	2	-4,750	1	-2,61	2
27,5	3,18	4,54	2	252	2	61,2	2	-17,80	2			-1,22	2
30	3,10	4,20	1	258	1	61,1	2	-18,62	2	-4,670	1	0,73	2
33	3,01												
40	2,80	3,39	1	267	1	62,8	2	-17,79	2	-4,900	1	2,28	2
45	2,65	3,13	1	253	1					-5,130	1		
50	2,50	3,10	1	240	1	75,2	2	-16,88	2			2,44	2
55	2,35	2,76	1	256	1					-4,800	1		
60	2,20	2,39	1	263	1	71,6	2	-14,24	2	-4,750	1	1,71	2
62,5	2,13	2,34	1	278	1					-4,810	1		
65	2,05	2,39	2	282	1	75,2	2						
70	1,90	1,48	1	300	1	93,2	4			-4,390	1		
70	1,90			302	3	98,2	3	-15,77	3	-4,590	3		
71,6		1,98	2	290	2	73,1	2						
72	1,84	1,76	1	300	1	73,1	2	-16,26	2	-4,300	1	3,41	2
75	1,75	1,44	1	295	1					-4,380	1		
75,5	1,74			279	2	78,8	2	-11,66	2				
80	1,60	1,25	1	285	1	10,3	1			-4,330	1		
80	1,60	1,38	1	289	1	95,4	1			-4,210	1		
82,5	1,53			268	1	84,1	1			-4,060	1		
85	1,45			240	1	84,5	1			-2,720	1		
90	1,30					63,0	1			-4,645	1		
100	1,00					23,0	5			-10,620	5		

Caption:

- Z indicates the mean electron number per atom
T_c indicates the transition to the superconducting state
T_K indicates the crystallization temperature
ρ indicates the specific resistivity at T approx. 4K
1/ρ dp/dt indicates the temperature coefficient at approx. T=100K
R_H indicates the Hallcoefficient at approx. T=10K
S'(T)/T indicates the slope of the thermopower at low T

The horizontal thin lines enclose the amorphous range

References:

- [1] P. Häussler: Z.Phys. B53 15(1983); Ph. D. thesis, Univ. Karlsruhe, FRG (1981)
P. Häussler and F. Baumann:Physica 108B, 909 (1981)
[2] M. Burkhardt: Diploma work, Univ. Karlsruhe, FRG (1988)
[3] G. Reichel: Diploma work, Univ. Karlsruhe, FRG (1984)
[4] P. Häussler: unpublished data (1982)
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The concentration range between the thin horizontal lines shows the amorphous alloys, outside the samples are partly or completely crystalline.