

[at%Au]	Z [e/a]	T _c [K]	Ref	T _K [K]	Ref	r [mΩcm]	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	3												
11		3,65	5	275	5	80	5						
20	2,6			337	1								
20	2,6	3,02	2	323	2			-31,4					
22		2,90	5	232	5	183,000	5						
25		1,67	5	228	5	211,000	5						
27		1,54	5	216	5	204,000	5						
29	2,42	2,09	2	291	2			-35,1	2				
30	2,4	2,63	1	256	1	140,000	1			-5,78	1		
30	2,4	1,60	1			180,000	1			-5,82	1		
36	2,28	1,48	2	241	2			-33,3	2				
38		1,40	5	212	5								
39	2,22	1,36	2	230	2								
40	2,20	1,31	1	250	1	183,000	1			-5,72	1		
47	2,06	1,28	2	310	2			-28,6					
53	1,94	1,30	2	362	2			-31,9	2				
55	1,9	1,28	1	373	1	148,000	1			-5,03	1		
55		1,24	5	330	5	139,000	5						
60	1,8	1,22	1	361	1	139,000	1			-4,75	1		
60		1,33	5	270	5	141,000	5						
63	1,74	1,27	2	370	2			-31,1	2				
65	1,70	1,14	1	294	1	131,000	1			-4,39	1		
66	1,68			307	2			-25,7	2				
68		0,93	5	276	5	120,000	5						
70	1,6			299	1	124,000	1			-3,94	1		
71	1,58			327	2			-22,2	1				
75	1,5			339	1	112,000	1			-3,89	1		
80	1,4					100,000	1			-3,79	1		
80	1,4					72,000	5						
100	1					20,000	5						
100	1					23,000	4			-10,62	4		

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

References:

- [1] P. Häussler: unpublished
[2] W. Folberth: Diploma work, Univ. Karlsruhe, Germany (1980)
[3] P. Häussler: unpublished, evaporated in UHV
[4] P. Häussler: Z.Phys. B35, 15 (1983);Ph.D. Univ.Karlsruhe, Germany
P. Häussler, F. Baumann: Physica 108B, 909 (1981)
[5] R. Gerstenberger: Diploma work, Univ. Karlsruhe, Germany (1985)

The concentration range between the thin horizontal lines shows the amorphous alloys, outside the samples are partly or completely crystalline.