



Precious Metal Information

Material	Conductivity		Density gms/ml	Tensile Strength		Elongation		Hardness	
	Electrical	Thermal		N/mm2		%		HV	
					Soft	Hard	Soft	Hard	Soft
999 Silver	60	415	10.5	200	360	30	3	45	100
FK Silver	58	415	10.5	220	360	30	3	50	100
Contact Grade Silver	56	390	10.45	225	400	25	3	50	125
97Ag 3Cu	52	375	10.4	250	470	25	1	55	120
90Ag 10Cu	50	340	10.3	280	550	25	1	70	140
90Ag 10Ni	54	380	10.3	220	400	25	1	50	110
80Ag 20Ni	47	315	10.1	280	450	20	1	60	120
70Ag 30Ni	42	315	9.8	320	530	15	1	70	135
90Ag 10CdO	48	340	10.2	280	470	20	2	70	125
85Ag 15CdO	45	320	10.1	295	480	15	1	80	130
97Ag 3C	48	330	9.1	---	---	---	---	40	---
95Ag 5C	43	315	8.6	---	---	---	---	35	---



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	Electrical	Thermal		Soft	Hard	Soft	Hard	Soft	Hard
92Ag 8Sn02	51	335	10.0	---	---	---	---	60	90
90Ag 10Sn02	48	325	9.9	---	---	---	---	65	95
88 Ag 12Sn02	42	315	9.8	---	---	---	---	70	100
65Ag 35W	30	280	14.2	---	---	---	---	165	---
50Ag 50WC	27	240	12.35	---	---	---	---	165	---
999 Gold	44	295	19.3	140	240	30	1	25	70
95Au 5Ni	7.2	52	18.3	380	640	25	1	110	190
Platinum	9.4	72	21.45	140	400	50	2	40	95
Palladium	9.3	70	12.0	200	480	44	2	40	100
60Pd 40Cu	3.0	---	10.5	450	850	40	1	120	280
30Pd 70Ag	6.7	60	10.9	300	550	20	1	70	150