

EVA 760

15.12.2017

Step	Source Material	Ar [sccm]	O ₂ [sccm]	Dep. Rate [Å.s ⁻¹]	Max Thick [nm]	Uniformity [%] Ø80mm	Resistivity [μΩ.cm]	Stress [MPa]		Measure Reference
250_Al_16.0	Al	0	0	16.0	5'000	5.4%	3.6	163	Tensile	052
250_Au_16.0	Au	0	0	16.0	2'000	1.7%	2.8	176	Tensile	051
250_Co_16.0	Co	0	0	16.0	800	5.4%	11.9	933	Tensile	069
250_Cr_16.0	Cr	0	0	16.0	2'000	5.2%	114.0	775	Tensile	050
250_Cu_16.0	Cu	0	0	16.0	6'000	13.1%	2.2	155	Tensile	065
250_Pt_16.0	Pt	0	0	16.0	2'000	2.0%	13.2	654	Tensile	062
250_Ti_16.0	Ti	0	0	16.0	3'000	8.9%	87.8	-178	Compressive	053
350_Al_8.0	Al	0	0	8.0	3'000	1.7%	3.8	151	Tensile	056
350_Au_8.0	Au	0	0	8.0	1'000	2.4%	2.5	194	Tensile	055
350_Au_10.0	Au	0	0	10.0	1'000				-	
350_Co_8.0	Co	0	0	8.0	450	5.2%	11.9	1'002	Tensile	070
350_Cr_8.0	Cr	0	0	8.0	1'000	2.7%	89.3	1'008	Tensile	054
350_Cu_8.0	Cu	0	0	8.0	3'000	4.6%	2.4	189	Tensile	066
350_Pt_8.0	Pt	0	0	8.0	1'000	1.9%	13.8	467	Tensile	063
350_Ti_8.0	Ti	0	0	8.0	1'500	5.7%	88.2	-115	Compressive	057
450_Al_5.0	Al	0	0	5.0	1'500	6.4%	4.7	102	Tensile	060
450_Au_5.0	Au	0	0	5.0	800	1.1%	2.6	178	Tensile	059
450_Co_5.0	Co	0	0	5.0	300	2.2%	11.4	1'002	Tensile	071
450_Cr_5.0	Cr	0	0	5.0	800	3.9%	105.0	1'010	Tensile	058
450_Cu_5.0	Cu	0	0	5.0	1'500	3.2%	2.4	183	Tensile	067
450_Ni_5.0	Ni	0	0	5.0	300	2.3%			-	068

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450_Pt_1.0	Pt	0	0	1.0	800				-	
450_Pt_5.0	Pt	0	0	5.0	800	1.2%	13.3	340	Tensile	064
450_Ti_5.0	Ti	0	0	5.0	1'000	4.5%	103.0	61	Tensile	061