

EVA 760

09.02.2022

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_Ag_16.0	Ag	0	0	16,0	2 000	5,5%	2,3	147	Tensile	074
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_Ni_16.0	Ni	0	0	16,0	1 000				-	
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_Ag_8.0	Ag	0	0	8,0	1 000	3,7%	2,3	147	Tensile	073
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_Ni_8.0	Ni	0	0	8,0	500				-	
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_Ag_0.5	Ag	0	0	0,5	800				-	
450_Ag_5.0	Ag	0	0	5,0	800	3,0%	2,3	122	Tensile	072

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450_Al_0.5	Al	0	0	0,5					-	
450_Al_5.0	Al	0	0	5,0	1 500	6,4%	4,7	102	Tensile	060
450_Au_0.5	Au	0	0	0,5	800				-	
450_Au_1.0	Au	0	0	1,0	800				-	
450_Au_2.0	Au	0	0	2,0	800				-	
450_Au_4.0	Au	0	0	4,0	800				-	
450_Au_5.0	Au	0	0	5,0	800	1,1%	2,6	178	Tensile	059
450_Co_1.0	Co	0	0	1,0	300				-	
450_Co_5.0	Co	0	0	5,0	300	2,2%	11,4	1 002	Tensile	071
450_Cr_0.5	Cr	0	0	0,5	800				-	
450_Cr_1.0	Cr	0	0	1,0	800				-	
450_Cr_2.0	Cr	0	0	2,0	1 000				-	
450_Cr_5.0	Cr	0	0	5,0	1 000	3,9%	105,0	1 010	Tensile	058
450_Cr_10.0	Cr	0	0	10,0	100				-	
450_Cr_20.0	Cr	0	0	20,0	100				-	
450_Cu_1.0	Cu	0	0	1,0	800				-	
450_Cu_2.0	Cu	0	0	2,0	800				-	
450_Cu_5.0	Cu	0	0	5,0	1 500	3,2%	2,4	183	Tensile	067
450_Ni_2.0	Ni	0	0	2,0	300				-	
450_Ni_5.0	Ni	0	0	5,0	300	2,3%			-	068
450_Pt_1.0	Pt	0	0	1,0	800				-	

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450_Pt_5.0	Pt	0	0	5,0	800	1,2%	13,3	340	Tensile	064
450_Ti_0.5	Ti	0	0	0,5	800				-	
450_Ti_1.0	Ti	0	0	1,0	800				-	
450_Ti_2.0	Ti	0	0	2,0	800				-	
450_Ti_5.0	Ti	0	0	5,0	1 000	4,5%	103,0	61	Tensile	061