

EVA 760

21.02.2020

| 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_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_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_5.0 | Ag | 0 | 0 | 5.0 | 800 | 3.0% | 2.3 | 122 | Tensile | 072 |
| 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 |

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|------------|----|---|---|-----|-------|------|-------|-------|---------|-----|
| 450_Cr_5.0 | Cr | 0 | 0 | 5.0 | 1,000 | 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 |
| 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 |