

COMPOSITION/CHARACTERISTICS	Fine Ag	Fine Grain Ag	SC5-Grain	Sterling Ag	Coin Ag	AgCuNi
CHEMICAL COMPOSITION Silver %	99.9 Minimum	99.50 - 99.90	93.5 - 96.5	91.5 - 93.5	89.0 - 91.0	74.0 Minimum
Alloy Component %	-	0.10 - 0.50 Ni	Balance Cu	6.5 - 8.5 Cu	9.0 - 11.0 Cu	23.5 - 25.5 Cu 0.4 - 0.6 Ni
THICKNESS RANGE (inches)	.010" - .250"	.010" - .250"	Rod	.010" - .250"	.010" - .250"	.010" - .250"
WIDTH (inches)	Up to 3.5"	Up to 3.5"	--	Up to 3.5"	Up to 3.5"	Up to 3.5"
DENSITY (g/cm ³) (Nominal Values)	10.49	10.4	10.2 - 10.4	10.2 - 10.4	10.2 - 10.4	9.9 - 10.1
TYPICAL HARDNESS (HV) Annealed	30	35	70	70	75	90
Cold Worked	75	80	100	100	105	120
TYPICAL TENSILE STRENGTH (Kpsi) Annealed	29	32	35	35	40	50
Cold Worked	38	40	55	55	60	70
TYPICAL ELONGATION % Annealed	30	25	20	20	20	15
Cold Worked	1	1	1	1	1	1
TYPICAL ELECTRICAL RESISTIVITY (Ohm-cm 10 ⁶)	1.7	1.8	2.1	2.1	2.0	2.2
TYPICAL ELECTRICAL CONDUCTIVITY (%IACS)	103	90	85	85	83	75
CERTIFICATE OF COMPLIANCE	The vendor shall furnish a certificate of compliance with each shipment.					
SURFACE CONTAMINATION	All material surfaces must be free of contamination from cleaning methods to the extent that contact resistance, weld ability, or brazing is not adversely affected.					
VOIDS	No voids permitted.					

