

Deposit Characteristics

Code	Solution	Microhardness Vickers	Microhardness Est Rc	Taber Wear (mg/1000 cycles)	Deposit Structure	Ductility	% Purity of Deposit	Plating Rate (in/hr)	Metal (g/l)
7280/5725	AeroNikl® 250 (Sulfamate Nickel)	190	n/a	52 (CS-17 wheel)	Columnar, dense	Excellent	99.9	0.035	100
7281/5726	AeroNikl® 400 (Sulfamate Nickel)	470	47	42 (CS-17 wheel)	Lamellar, dense	Fair	99.5	0.035	99
7282/5727	AeroNikl® 575 (Sulfamate Nickel)	575	54	33 (CS-17 wheel)	Lamellar, dense	Fair	>99	0.035	97
5925	Babbitt	23	n/a	n/a	Dense	Fair	Sn, 80%, Sb 8%, Cu 12%	0.02	80
4011	Babbitt - Navy Grade 2	23	19	n/a	Dense	Fair	88% Sn, 8%,Sb, Cu 4%	0.017	80
2020/5050	Cadmium	18	n/a	n/a	Dense	Good	>99	0.086	147
5070	Cadmium LHE®	27	n/a	n/a	Microporous	Fair	>99	0.086	100
2023	Cadmium No Bake®	23	n/a	n/a	Microporous	Fair	>99	0.057	100
2030	Chromium (Dense Trivalent)	584	54	16	Microcracked	Not Coherent	>99	0.005	30
5200	Cobalt	400	41	tbd	Dense	Fair	>99	0.032	80
2043	Cobalt (Heavy Build)	350	35	158	Dense	Fair	>99	0.035	80
5708	Cobalt-Nickel	n/a	50	n/a	n/a	n/a	91% Co, 9% Ni		
5230	Cobalt-Tungsten	506	n/a	tbd	Microcracked	Poor	n/a	0.032	80
2050/5250	Copper (Acid, Heavy Build)	120	n/a	205	Dense	Excellent	99.8	0.023	60
5280	Copper (Heavy Build, Alkaline)	150	n/a	tbd	Dense	Fair	>99	0.046	80
5260	Copper (High Speed Acid)	100	n/a	tbd	Dense	Fair	>99	0.062	100
2055	Copper (High-Speed, Acid)	223	n/a	tbd	Dense	Fair	>99	0.096	145
2056	Copper (High-Speed, Alkaline)	188	n/a	tbd	Dense	Fair	>99	0.034	80
5305	Copper XHB	188	n/a	tbd	Dense	Fair	>99	0.052	50

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5360	Gold	141	n/a	n/a	Dense	Fair	>99	0.004	25
5350	Gold	141	n/a	n/a	Dense	Fair	>99	0.031	100
3022	Gold Acid	110	n/a	n/a	Dense	Fair	97	0.025	90
3020	Gold Alkaline	141	n/a	n/a	Dense	Fair	99.8	0.025	100
3023	Gold Alkaline	141	n/a	n/a	Dense	Fair	99.8	0.004	25
3024	Gold Alkaline	141	n/a	n/a	Dense	Fair	99.8	0.017	50
5370	Gold Hard Alloy	170	n/a	n/a	Dense	Fair	>99	0.031	100
5355	Gold N.C. (Non-Cyanide)	121	n/a	n/a	Dense	Fair	>99	0.004	31
3021	Gold Neutral	110	n/a	n/a	Dense	Fair	>99	0.025	98
5391	Gold Production	141	n/a	n/a	Dense	Fair	>99	0.015	50
3030	Indium	2	n/a	n/a	Dense	Excellent	>99	0.022	60
2062/5502	Iron	479	47	tbd	Stress Cracks	Very Poor	>99	0.033	50
2080/5600	Nickel (Acid)	360	36	85	Dense	Very Poor	>99	0.024	110
5640	Nickel (Acid, High Build)	n/a	32	tbd	Dense	Very Poor	>99	0.024	56
2086	Nickel (Ductile)	290	27	89	Dense	Fair	99	0.02	40
2088	Nickel (Ductile)	290	27	tbd	Dense	Fair	>99	0.029	55
5644	Nickel (High Speed)	585	54	tbd	Microporous	Very Poor	>99	0.047	50
2085	Nickel (High Speed)	585	54	65	Microcracked, porous, nodular	Very Poor	>99	0.047	50
5630	Nickel (Special)	n/a	n/a	tbd		n/a	>99		

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5710	Nickel Tungsten "D"	630	560	tbd	Solid,lamellar	Very Poor	94.3% ± 3.0 Ni, 4.5% ± 2.1 W	0.025	46
5646	Nickel XHB	585	54	tbd	Microcracked	Very Poor	>99	0.047	50
5720	Nickel-Cobalt (Semi-Bright)	510	47	tbd	Dense	Very Poor	20% Ni, 80% Co	0.027	38
5709	Nickel-Phosphorous	540	n/a	tbd	Dense	Very Poor	n/a	0.008	60
3040/5730	Palladium	326	32	n/a	Microcracked	Not Coherent	>99	0.015	30
3052/5750	Platinum	550	47	n/a	Dense	Fair	>99	0.004	30
5800	Rhodium	650	56	n/a	Stress Cracks	Very Poor	>99	0.004	20
5810	Rhodium (Low Stress)	650	56	n/a	Stress Cracks	Very Poor	>99	0.005	50
3083	Silver (Hard, Heavy Build)	142	n/a	n/a	Dense	Poor	99.7	0.04	100
5860	Silver (Heavy Build)	102	n/a	n/a	Dense	Poor	>99	0.125	61
3084/5870	Silver (Non-Cyanide)	115	101	n/a	Dense	Poor	99.6	0.025	100
5871	Silver (Production, Non-Cyanide)	128	n/a	n/a	Dense	Poor	>99	0.025	50
5900	Tin (Acid)	8	n/a	n/a	Dense	Excellent	>99	0.2	130
5951	Tin (Alkaline B)	8	n/a	n/a	Dense	Excellent	>99	0.06	80
2090	Tin (Alkaline)	8	7	n/a	Dense	Excellent	99.5	0.007	80
2092	Tin (Alkaline)	9	8	n/a	Dense	Excellent	99.6	0.007	80
2093	Tin (High Speed)	13	11	n/a	Dense	Excellent	99.9	0.042	80
2100/5980	Zinc (Alkaline)	48	39	n/a	Microporous	Fair	>99	0.027	100
2103	Zinc (Heavy Build)	55	45	n/a	Dense	Excellent	>99	0.064	80

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4021	Zinc-Nickel	154	n/a	n/a	Microporous	Fair	87.6% Zn, 12.4% Ni	0.043	84
4018/5970	Zinc-Nickel LHE®	154	126	n/a	Microporous	Fair	87.6% Zn, 12.4% Ni	0.043	84

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