ELECTROVEK-STEEL

D N I P R O P E T R O V S K C I T Y , U K R A I N E

EVEK

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CHART#1 NI-CR STRIP PROPERTIES

Thickness x width	Cross sectional area (mm2)	Ni80Cr20			Ni60Cr15		
		Resistivity at 20°C μΩ·m1.09±0.06			Resistivity at 20°C μΩ·m1.12±0.06		
		Resistance per meter at 20°C (Ω/м)	Length per kilogram (m/kg)	Weight per meter (kg/m)	Resistance per meter at 20°C (Ω/м)	Length per kilogram (m/kg)	Weight per meter (kg/m)
0.08 x 0.2	0.0152	71.71	7832	0.000128	73.03	8023	0.000125
0.4	0.0304	35.86	3916	0.000255	36.51	4012	0.000249
0.6	0.0456	23.90	2611	0.000383	24.34	2674	0.000374
0.8	0.0608	17.93	1958	0.000511	18.26	2006	0.000499
1	0.076	14.87	1567	0.000638	45.00	1605	0.000623
1.2	0.0912	12.39	1305	0.000766	12.50	1337	0.000748
1.5	0.114	9.912	1044	0.000958	10.00	1070	0.000935
0.1 x 0.2	0.019	57.37	6266	0.000160	58..42	6418	0.000156
0.4	0.038	28.68	3133	0.000319	29.21	3209	0.000312
0.6	0.057	19.12	2089	0.000479	19.47	2139	0.000467
0.8	0.076	14.34	1566	0.000638	14.61	1605	0.000623
1	0.095	11.89	1253	0.000798	12.00	1284	0.000779
1.5	0.143	7.902	833	0.00120	7.97	853	0.00117
2	0.19	5.947	627	0.00160	6.00	642	0.00156
0.15 x 0.2	0.0285	38.25	4184	0.000239	38.95	4279	0.000234
0.4	0.057	19.12	2089	0.000479	19.47	2139	0.000467
0.6	0.0855	12.75	1392	0.000718	12.98	1426	0.000701
0.8	0.114	9.561	1044	0.000958	9.74	1070	0.000935
1	0.143	7.902	833	0.00120	7.97	853	0.00117
1.5	0.214	5.280	556	0.00180	5.33	570	0.00175
2	0.285	3.965	418	0.00239	4.00	428	0.00234
0.2 x 0.4	0.076	14.34	1567	0.000638	14.61	1605	0.000623
0.6	0.114	9.561	1044	0.000958	9.74	1070	0.000935
0.8	0.152	7.171	783	0.00128	7.30	802	0.00125
1	0.19	5.947	627	0.00160	6.00	642	0.00156
1.5	0.285	3.965	418	0.00239	4.00	428	0.00234
2	0.38	2.974	313	0.00319	3.00	321	0.00312
3	0.57	1.982	209	0.00479	2.00	214	0.00467
0.4 x 0.6	0.228	4.781	522	0.00192	4.87	535	0.00187
0.8	0.304	3.586	392	0.00255	3.65	401	0.00249
1	0.38	2.974	313	0.00319	3.00	321	0.00312
1.5	0.57	1.982	209	0.00479	2.00	214	0.00467
2	0.76	1.487	157	0.00638	1.50	161	0.00623
3	1.14	0.991	104	0.00958	1.00	107	0.00935
4	1.52	0.750	78.3	0.01277	0.757	80.2	0.0125
0.6 x 0.8	0.456	2.390	261	0.00383	2.43	267	0.00374
1	0.57	1.982	209	0.00479	2.00	214	0.00467
1.5	0.855	1.322	139	0.00718	1.33	143	0.00701
2	1.14	0.991	104	0.00958	1.00	107	0.00935
3	1.71	0.661	69.6	0.01436	0.667	71.3	0.0140
4	2.28	0.500	52.2	0.01915	0.504	53.5	0.0187
0.8 x 1.0	0.76	1.487	157	0.0638	1.50	161	0.00623
1.5	1.14	0.991	104	0.00958	1.00	107	0.00935
2	1.52	0.743	78.3	0.01277	0.750	80.2	0.0125
3	2.28	0.496	52.2	0.01915	0.500	53.5	0.0187

4	3.04	0.375	39.2	0.02554	0.378	40.1	0.0249
1.0 x 1.5	1.425	0.793	83.5	0.01197	0.800	85.6	0.0117
2	1.9	0.595	62.7	0.01596	0.600	64.2	0.0156

ELECTROVEK-STEEL

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CHART#2 NI-CR STRIP PROPERTIES

Thickness x width	Cross sectional area (mm2)	Ni80Cr20			Ni60Cr15		
		Resistivity at 20°C μΩ·m1.09±0.06			Resistivity at 20°C μΩ·m1.12±0.06		
		Resistance per meter at 20°C (Ω/м)	Length per kilogram (m/kg)	Weight per meter (kg/m)	Resistance per meter at 20°C (Ω/м)	Length per kilogram (m/kg)	Weight per meter (kg/m)
1.0 x 3	2.85	0.396	41.8	0.02394	0.400	42.8	0.0234
4	3.8	0.300	31.3	0.03192	0.303	32.1	0.0312
10 x 0.5	4.9	0.222	24.30	0.04116	0.2265	24.89	0.04018
0.8	7.84	0.139	15.18	0.06586	0.1416	15.56	0.06429
1	9.8	0.115	12.15	0.08232	0.1163	12.44	0.08036
1.2	11.76	0.0961	10.12	0.09878	0.0969	10.37	0.09643
1.5	14.7	0.0769	8.10	0.1235	0.0776	8.30	0.1205
2	19.6	0.0577	6.08	0.1646	0.0582	6.22	0.1607
15 x 0.8	11.76	0.0927	10.12	0.09878	0.0944	10.37	0.09643
1	14.7	0.0769	8.10	0.1235	0.0776	8.30	0.1205
1.2	17.64	0.0641	6.75	0.1482	0.0646	6.91	0.1446
1.5	22.05	0.0512	5.40	0.1852	0.0517	5.53	0.1808
2	29.4	0.0384	4.05	0.2470	0.0388	4.15	0.2411
2.5	36.75	0.0307	3.24	0.3087	0.0310	3.32	0.3014
20 x 0.8	15.68	0.0695	7.59	0.1317	0.0708	7.78	0.1286
1	19.6	0.0577	6.07	0.1646	0.0582	6.22	0.1607
1.2	23.52	0.0480	5.06	0.1976	0.0485	5.18	0.1929
1.5	29.4	0.0384	4.05	0.2470	0.0388	4.15	0.2411
2	39.2	0.0288	3.04	0.3293	0.0291	3.11	0.3214
2.5	49	0.0231	2.43	0.4116	0.0233	2.49	0.4018
3	58.8	0.0192	2.02	0.4939	0.0194	2.07	0.4822
25 x 1.0	24.5	0.0461	4.86	0.2058	0.0465	4.98	0.2009
1.2	29.4	0.0384	4.05	0.2470	0.0388	4.15	0.2411
1.5	36.75	0.0307	3.24	0.3087	0.0310	3.32	0.3014
2	49	0.0231	2.43	0.4116	0.0233	2.49	0.4018
2.5	61.25	0.0184	1.94	0.5145	0.0186	1.99	0.5023
3	73.5	0.0154	1.62	0.6174	0.0155	1.66	0.6027
30 x 1.0	29.4	0.0384	4.05	0.2470	0.0388	4.15	0.2411
1.5	44.1	0.0256	2.70	0.3704	0.0259	2.77	0.3616
2	58.8	0.0192	2.02	0.4939	0.0194	2.07	0.4822
2.5	73.5	0.0154	1.62	0.6174	0.0155	1.66	0.6027
3	88.2	0.0128	1.35	0.7409	0.0129	1.38	0.7232
3.5	102.9	0.0111	1.16	0.8644	0.0112	1.19	0.8238
35 x 1.0	34.3	0.0329	3.47	0.2881	0.0332	3.56	0.2813
1.5	51.45	0.0220	2.31	0.4322	0.0222	2.37	0.4219
2	68.6	0.0165	1.74	0.5762	0.0166	1.78	0.5625
2.5	85.75	0.0132	1.39	0.7203	0.0133	1.42	0.7032
3	102.9	0.0110	1.16	0.8644	0.0111	1.19	0.8438
3.5	120.1	0.0095	0.99	1.0088	0.0096	1.02	0.9848
40 x 1.0	39.2	0.0288	3.04	0.3293	0.0291	3.11	0.3214
1.5	58.8	0.0192	2.02	0.4939	0.0194	2.07	0.4822
2	78.4	0.0144	1.52	0.6586	0.0145	1.56	0.6429
2.5	98	0.0115	1.21	0.8232	0.0116	1.24	0.8036

3	117.6	0.0096	1.01	0.9878	0.0097	1.04	0.9643
3.5	137.2	0.0083	0.87	1.1525	0.0084	0.89	1.1250
4	156.8	0.0073	0.76	1.3171	0.0073	0.78	1.2858