



Certificate No:00116Q27085R3S/1100

Magnetic Properties of Sintered AlNiCo



Grade		Remanence Br		Coercive Force bHc		Intrinsic Coercivity iHc		Max. Energy Product (BH)max		Density	Max. working temp.	Temp. coefficient of Br	Curie temp.
		KGS	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m ³	g/cm ³	°C	%/°C	°C
Isotropic	MAINiCo4/1	8.7-8.9	0.87-0.89	0.11-0.14	9-11	0.13-0.15	10-12	0.40-0.60	3.2-4.8	6.8	450	-0.02	750
	MAINiCo8/5	5.3-6.2	0.53-0.62	0.57-0.63	45-50	0.59-0.65	47-52	1.07-1.19	8.5-9.5	6.8	450	-0.02	750
	MAINiCo10/5	6.3-7.0	0.63-0.70	0.60-0.70	48-56	0.63-0.73	50-58	1.19-1.38	9.5-11	6.8	450	-0.02	780
	MAINiCo12/5	7.0-7.5	0.70-0.75	0.63-0.70	50-56	0.67-0.73	53-58	1.38-1.63	11-13	7	450	-0.02	800
	MAINiCo14/5	7.3-8.0	0.73-0.80	0.59-0.63	47-50	0.63-0.67	50-53	1.63-1.88	13-15	7.1	450	-0.02	790
	MAINiCo14/6	6.2-8.1	0.62-0.81	0.70-0.80	56-64	0.73-0.83	58-66	1.76-2.01	14-16	7.1	450	-0.02	790
	MAINiCo14/8	5.5-6.1	0.55-0.61	0.94-1.11	75-88	1.01-1.16	80-92	1.76-2.01	14-16	7.2	450	-0.01	850
	MAINiCo18/10	5.7-6.2	0.57-0.62	1.16-1.26	92-100	1.24-1.34	99-107	2.01-2.39	16-19	7.2	450	-0.01	860
Anisotropic	MAINiCo35/5	11.0-12.0	1.10-1.20	0.60-0.65	48-52	0.63-0.68	50-54	4.40-4.90	35-39	7.2	450	-0.02	850
	MAINiCo29/6	9.7-10.9	0.97-1.09	0.73-0.80	58-64	0.75-0.83	60-66	3.64-4.15	29-33	7.2	450	-0.02	860
	MAINiCo32/10	7.7-8.7	0.77-0.87	1.13-1.31	90-104	1.18-1.37	94-109	4.15-4.77	33-38	7.2	450	-0.01	860
	MAINiCo33/11	7.0-8.0	0.7-0.8	1.34-1.44	107-115	1.39-1.49	111-119	4.15-4.77	33-38	7.2	450	-0.01	860
	MAINiCo39/12	8.3-9.0	0.83-0.9	1.44-1.55	115-123	1.49-1.60	119-127	4.90-5.40	39-43	7.25	450	-0.01	860
	MAINiCo44/12	9.0-9.5	0.9-0.95	1.49-1.60	119-127	1.56-1.66	124-132	5.53-6.03	44-48	7.25	450	-0.01	860
	MAINiCo37/15	7.0-8.0	0.7-0.8	1.80-1.90	143-151	1.88-1.98	150-158	4.65-5.15	37-41	7.1	450	-0.01	870
	MAINiCo39/12	8.3-9.0	0.83-0.9	1.45-1.54	115-123	1.50-1.60	119-127	4.90-5.40	39-43	7.25	450	-0.01	860
	MAINiCo44/12	9.0-9.5	0.9-0.95	1.50-1.60	119-127	1.56-1.66	124-132	5.53-6.03	44-48	7.25	450	-0.01	860
	MAINiCo40/15	7.5-8.5	0.75-0.85	1.80-1.90	143-151	1.95-2.05	155-163	5.02-6.03	40-48	7.2	450	-0.01	870
	MAINiCo44/15	8.0-8.8	0.8-0.88	1.86-2.00	148-160	1.95-2.05	155-163	5.53-6.03	44-48	7.2	450	-0.01	870