

Typical Magnetic Properties of Sintered NdFeB Magnets

Grade		Remanence		Coercivity				Max Energy Product		Temperature Coefficient		Max Working Temperature
		B_r		H_{cB}		H_{cJ}		$(BH)_{max}$		$\alpha(B_r)$	$\beta(H_{cJ})$	T _w Max
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	° C
N	N35	1.17-1.22	11.7-12.2	≥860	≥10.9	≥955	≥12	263-287	33-36	-0.12	-0.60	80
	N38	1.22-1.25	12.2-12.5	≥860	≥11.3	≥955	≥12	287-310	36-39	-0.12	-0.60	80
	N40	1.25-1.28	12.5-12.8	≥860	≥11.4	≥955	≥12	302-326	38-41	-0.12	-0.60	80
	N42	1.28-1.32	12.8-13.2	≥860	≥11.5	≥955	≥12	318-342	40-43	-0.12	-0.60	80
	N45	1.32-1.37	13.2-13.7	≥860	≥11.6	≥955	≥12	342-366	43-46	-0.12	-0.60	80
	N48	1.37-1.42	13.7-14.2	≥836	≥11.0	≥955	≥12	366-390	46-49	-0.12	-0.60	80
	N50	1.39-1.44	13.9-14.4	≥836	≥10.0	≥955	≥12	376-406	47-51	-0.12	-0.60	80
	N52	1.42-1.47	14.2-14.7	≥836	≥10.5	≥955	≥12	390-421	49-53	-0.12	-0.60	80
	N54	1.45-1.49	14.5-14.9	≥836	≥10.5	≥876	≥11	406-438	51-55	-0.12	-0.60	80
	N56	1.48-1.52	14.8-15.2	≥836	≥10.5	≥876	≥11	414-454	52-57	-0.12	-0.60	80
M	N33M	1.13-1.17	11.3-11.7	≥836	≥10.5	≥1114	≥14	247-271	31-34	-0.11	-0.60	100
	N35M	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1114	≥14	263-287	33-36	-0.11	-0.60	100
	N38M	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1114	≥14	287-310	36-39	-0.11	-0.60	100
	N40M	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1114	≥14	302-326	38-41	-0.11	-0.60	100
	N42M	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1114	≥14	318-342	40-43	-0.11	-0.60	100
	N45M	1.32-1.38	13.2-13.8	≥971	≥12.5	≥1114	≥14	342-366	43-46	-0.11	-0.60	100
	N48M	1.36-1.42	13.6-14.2	≥995	≥12.9	≥1114	≥14	366-390	46-49	-0.11	-0.60	100
	N50M	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1114	≥14	376-406	47-51	-0.11	-0.60	100
	N52M	1.42-1.47	14.2-14.7	≥1059	≥13.3	≥1114	≥14	390-422	49-53	-0.11	-0.60	100
	N54M	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1114	≥14	406-438	51-55	-0.11	-0.60	100
H	N33H	1.13-1.17	11.3-11.7	≥836	≥10.5	≥1353	≥17	247-271	31-34	-0.11	-0.60	120
	N35H	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1353	≥17	263-287	33-36	-0.11	-0.58	120
	N38H	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1353	≥17	287-310	36-39	-0.11	-0.58	120
	N40H	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1353	≥17	302-326	38-41	-0.11	-0.58	120
	N42H	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1353	≥17	318-342	40-43	-0.11	-0.58	120
	N45H	1.32-1.37	13.2-13.7	≥971	≥12.0	≥1353	≥17	344-366	43-46	-0.11	-0.58	120
	N48H	1.36-1.42	13.6-14.2	≥1011	≥12.5	≥1353	≥17	366-390	46-49	-0.11	-0.58	120
	N50H	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1353	≥17	374-406	47-51	-0.11	-0.58	120
	N52H	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1353	≥17	390-422	49-53	-0.11	-0.58	120
	N54H	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1273	≥16	406-438	51-55	-0.11	-0.58	120
SH	N33SH	1.13-1.17	11.3-11.7	≥844	≥10.6	≥1592	≥20	247-271	31-34	-0.11	-0.55	150
	N35SH	1.17-1.22	11.7-12.2	≥876	≥11.0	≥1592	≥20	263-287	33-36	-0.11	-0.55	150
	N38SH	1.22-1.25	12.2-12.5	≥907	≥11.4	≥1592	≥20	287-310	36-39	-0.11	-0.55	150
	N40SH	1.25-1.28	12.5-12.8	≥939	≥11.8	≥1592	≥20	302-326	38-41	-0.11	-0.55	150
	N42SH	1.28-1.32	12.8-13.2	≥955	≥12.4	≥1592	≥20	318-342	40-43	-0.11	-0.55	150
	N45SH	1.32-1.37	13.2-13.7	≥979	≥12.3	≥1592	≥20	342-366	43-46	-0.11	-0.55	150
	N48SH	1.36-1.42	13.6-14.2	≥995	≥12.5	≥1592	≥20	358-390	45-49	-0.11	-0.55	150
	N50SH	1.39-1.45	13.9-14.5	≥995	≥12.5	≥1592	≥20	374-406	47-51	-0.11	-0.55	150
	N52SH	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1592	≥20	390-422	49-53	-0.11	-0.55	150
	N54SH	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1592	≥20	406-438	51-55	-0.11	-0.55	150
UH	N28UH	1.04-1.08	10.4-10.8	≥764	≥9.6	≥1990	≥25	207-231	26-29	-0.10	-0.50	180
	N30UH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥1990	≥25	223-247	28-31	-0.10	-0.50	180
	N33UH	1.13-1.17	11.3-11.7	≥852	≥10.7	≥1990	≥25	247-271	31-34	-0.10	-0.50	180
	N35UH	1.17-1.22	11.7-12.2	≥860	≥10.8	≥1990	≥25	263-287	33-36	-0.10	-0.50	180
	N38UH	1.22-1.25	12.2-12.5	≥876	≥11.0	≥1990	≥25	287-310	36-39	-0.10	-0.50	180
	N40UH	1.25-1.28	12.5-12.8	≥915	≥11.5	≥1990	≥25	302-326	38-41	-0.10	-0.50	180
	N42UH	1.27-1.32	12.7-13.2	≥955	≥12.0	≥1990	≥25	318-342	40-43	-0.10	-0.50	180
	N45UH	1.32-1.37	13.2-13.7	≥995	≥12.5	≥1990	≥25	342-366	43-46	-0.10	-0.50	180
	N48UH	1.38-1.42	13.8-14.2	≥1031	≥12.9	≥1990	≥25	366-390	46-49	-0.10	-0.50	180
	N50UH	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1990	≥25	374-406	47-51	-0.10	-0.50	180
	N52UH	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1990	≥25	390-422	49-53	-0.10	-0.50	180
	N54UH	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1990	≥25	406-438	51-55	-0.10	-0.50	180
EH	N28EH	1.04-1.08	10.4-10.8	≥780	≥9.8	≥2388	≥30	207-231	26-29	-0.10	-0.46	200
	N30EH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥2388	≥30	223-247	28-31	-0.10	-0.46	200
	N33EH	1.13-1.17	11.3-11.7	≥820	≥10.3	≥2388	≥30	248-271	31-34	-0.10	-0.46	200
	N35EH	1.17-1.22	11.7-12.2	≥836	≥11.0	≥2388	≥30	263-287	33-36	-0.10	-0.46	200
	N38EH	1.20-1.25	12.0-12.5	≥899	≥11.3	≥2388	≥30	287-310	36-39	-0.10	-0.46	200
	N40EH	1.25-1.28	12.5-12.8	≥915	≥11.5	≥2388	≥30	302-326	38-41	-0.10	-0.46	200
	N42EH	1.28-1.32	12.8-13.2	≥970	≥12.2	≥2388	≥30	318-342	40-43	-0.10	-0.46	200
	N45EH	1.32-1.36	13.2-13.6	≥1003	≥12.6	≥2388	≥30	342-366	43-46	-0.10	-0.46	200
	N48EH	1.38-1.42	13.8-14.2	≥1031	≥12.9	≥2388	≥30	366-390	46-49	-0.10	-0.46	200
	N50EH	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥2388	≥30	374-406	47-51	-0.10	-0.46	200
	N52EH	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥2388	≥30	390-422	49-53	-0.10	-0.46	200
AH	N28AH	1.05-1.09	10.5-10.9	≥780	≥9.8	≥2706	≥34	207-231	26-29	-0.10	-0.42	220
	N30AH	1.10-1.14	11.0-11.4	≥812	≥10.2	≥2706	≥34	223-247	28-31	-0.10	-0.42	220
	N33AH	1.14-1.17	11.4-11.7	≥812	≥10.2	≥2706	≥34	247-271	31-34	-0.10	-0.42	220
	N35AH	1.17-1.22	11.7-12.2	≥883	≥11.1	≥2706	≥34	263-287	33-36	-0.10	-0.42	220
	N38AH	1.20-1.25	12.0-12.5	≥915	≥11.5	≥2706	≥34	287-310	36-39	-0.10	-0.42	220
	N40AH	1.25-1.28	12.5-12.8	≥947	≥11.9	≥2706	≥34	302-326	38-41	-0.10	-0.42	220
	N42AH	1.28-1.32	12.8-13.2	≥970	≥12.2	≥2706	≥34	318-342	40-43	-0.10	-0.42	220



Typical Magnetic Properties of Sintered SmCo Magnets

Item	Grade	Remanence		Coercivity				Max Energy Product		Max Working Temperature
		B_r		H_{cb}		H_{cj}		$(BH)_{max}$		T_wMax
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	° C
SmCo ₅	SmCo ₅ -20	0.89-0.93	8.9-9.3	684-732	8.6-9.2	≥1830	≥23	151-167	19-21	250
	SmCo ₅ -22	0.92-0.96	9.2-9.6	708-756	8.9-9.5	≥1830	≥23	159-175	20-22	250
	SmCo ₅ -24	0.96-1.00	9.6-10.0	740-788	9.3-9.9	≥1830	≥23	175-191	22-24	250
Sm ₂ Co ₁₇	Sm ₂ Co ₁₇ -30L	1.08-1.10	10.8-11.0	541-796	6.8-10.0	636-955	8-12	223-239	28-30	250
	Sm ₂ Co ₁₇ -32L	1.10-1.15	11.0-11.5	541-812	6.8-10.2	636-955	8-12	231-255	29-32	250
	Sm ₂ Co ₁₇ -30M	1.08-1.10	10.8-11.0	676-835	8.5-10.5	955-1433	12-18	223-239	28-30	300
	Sm ₂ Co ₁₇ -32M	1.10-1.15	11.0-11.5	676-852	8.5-10.7	955-1433	12-18	231-255	29-32	300
	Sm ₂ Co ₁₇ -28	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1433	≥18	207-223	26-28	300
	Sm ₂ Co ₁₇ -30	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1433	≥18	223-239	28-30	300
	Sm ₂ Co ₁₇ -32	1.10-1.15	11.0-11.5	812-860	10.2-10.8	≥1433	≥18	231-255	29-32	300
	Sm ₂ Co ₁₇ -28H	1.03-1.08	10.3-10.8	756-812	9.5-10.2	≥1990	≥25	207-223	26-28	350
	Sm ₂ Co ₁₇ -30H	1.08-1.10	10.8-11.0	788-835	9.9-10.5	≥1990	≥25	223-239	28-30	350
	Sm ₂ Co ₁₇ -32H	1.10-1.15	11.0-11.5	812-860	10.2-10.8	≥1990	≥25	231-255	29-32	350
	Sm ₂ Co ₁₇ -33H	1.14-1.17	11.4-11.7	827-875	10.4-11.0	≥1990	≥25	247-262	31-33	350
	Sm ₂ Co ₁₇ -35	1.17-1.21	11.7-12.1	860-915	10.8-11.5	≥2069	≥26	255-279	32-35	350



Typical Magnetic Properties of Alnico Magnets

Grade		Remanence		Coercivity				Max Energy Product		Temperature Coefficient		Max Working Temperature
		B_r		H_{cB}		H_{cJ}		$(BH)_{max}$		$\alpha(B_r)$	$\beta(H_{cJ})$	T _w Max
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	%/°C	%/°C	° C
Cast AlNiCo	LN10	0.65	6.5	38	0.48	40	0.50	10	1.25	-0.035	0.025	450
	LNG12	0.75	7.5	45	0.56	46	0.58	12	1.50	-0.03	0.02	450
	LNGT18	0.55	5.5	90	1.13	97	1.21	18	2.25	-0.025	0.01	550
	LNG34	1.10	11.0	50	0.63	52	0.65	34	4.25	-0.02	0.01	525
	LNG37	1.18	11.8	49	0.61	51	0.64	37	4.63	-0.02	0.01	525
	LNG40	1.20	12.0	50	0.63	52	0.65	40	5.00	-0.02	0.01	525
	LNG44	1.25	12.5	52	0.65	54	0.68	44	5.50	-0.02	0.01	525
	LNGT28	1.05	10.5	56	0.70	58	0.73	28	3.50	-0.02	0.03	525
	LNG52	1.30	13.0	56	0.70	58	0.73	52	6.50	-0.02	0.03	525
	LNG60	1.35	13.5	58	0.73	60	0.75	60	7.50	-0.02	0.03	525
	LNGT34	0.80	8.0	104	1.31	106	1.33	34	4.25	-0.025	0.01	550
	LNGT38	0.80	8.0	110	1.38	112	1.40	38	4.75	-0.025	0.01	550
	LNGT40	0.85	8.5	115	1.44	117	1.46	40	5.00	-0.025	0.01	550
	LNGT44	0.90	9.0	115	1.44	117	1.46	44	5.50	-0.025	0.01	550
	LNGT36J	0.72	7.2	140	1.75	144	1.80	36	4.50	-0.025	0.01	550
	LNGT40J	0.75	7.5	144	1.80	159	2.00	40	5.00	-0.025	0.01	550
	LNGT60	1.00	10.0	110	1.38	112	1.40	60	7.50	-0.025	0.01	550
	LNGT72	1.05	10.5	115	1.44	117	1.46	72	9.00	-0.025	0.01	550
	LNGT80	1.08	10.8	120	1.50	122	1.53	80	10.00	-0.025	0.01	550
	LNGT96	1.1	11	120	1.5	122	1.53	96	12	-0.025	0.01	550
Sintered AlNiCo	FLNG10	0.65	6.5	40	0.50	42	0.53	10	1.25	-0.035	0.02	450
	FLNG12	0.75	7.5	45	0.56	46	0.58	12	1.50	-0.03	0.02	450
	FLNGT18	0.60	6.0	95	1.19	98	1.23	18	2.25	-0.025	0.01	550
	FLNGT20	0.62	6.2	100	1.25	105	1.31	20	2.50	-0.025	0.01	550
	FLNG34	1.15	11.5	48	0.60	50	0.63	34	4.25	-0.02	0.01	525
	FLNG37	1.20	12.0	48	0.60	50	0.63	37	4.70	-0.02	0.01	525
	FLNGT28	1.00	10.0	55	0.70	60	0.75	28	3.50	-0.02	0.03	525
	FLNGT36J	0.72	7.2	140	1.75	144	1.80	36	4.50	-0.025	0.01	550
	FLNGT40J	0.75	7.5	144	1.80	159	2.00	40	5.00	-0.025	0.01	550
	FLNGT38	0.80	8.0	110	1.38	112	1.40	38	4.75	-0.025	0.01	550
	FLNGT44	0.85	8.5	120	1.50	122	1.53	44	5.50	-0.025	0.01	550
	FLNGT48	0.92	9.2	125	1.56	127	1.59	48	6.00	-0.025	0.01	550



Typical Magnetic Properties of Ferrite Magnets

Grade	Remanence		Coercivity				Max Energy Product		Working Temperature
	B_r		H_{CB}		H_{CJ}		$(BH)_{max}$		T_w Max
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	° C
XM10T	200-235	2.0-2.35	128-160	1.61-2.01	210-280	2.64-3.52	6.4-9.6	0.8-1.2	250
XM25	360-400	3.6-4.0	135-170	1.70-2.14	140-200	1.76-2.51	22.5-28.0	2.8-3.5	250
XM30	380-400	3.8-4.0	175-210	2.20-2.64	180-220	2.26-2.76	26.0-30.0	3.3-3.8	250
XM30BH	380-400	3.8-4.0	223-235	2.80-2.95	231-245	2.90-3.08	27.0-30.0	3.4-3.8	250
XM30H-1	380-400	3.8-4.0	230-275	2.89-3.46	235-290	2.95-3.64	27.0-32.5	3.4-4.1	250
XM30H-2	395-415	3.95-4.15	275-300	3.46-3.77	310-335	3.90-4.21	27.0-32.0	3.4-4.0	250
XM33	410-430	4.1-4.3	220-250	2.76-3.14	225-255	2.83-3.20	31.5-35.0	4.0-4.4	250
XM33H	410-430	4.1-4.3	250-270	3.14-3.39	250-275	3.14-3.46	31.5-35.0	4.0-4.4	250
XM35	400-440	4.0-4.4	176-224	2.22-2.8	180-230	2.26-2.89	30.3-33.4	3.8-4.2	250
XM4350	420-440	4.2-4.4	294-326	3.7-4.1	386-410	4.85-5.15	33.4-36.6	4.2-4.6	250
XM4545	440-460	4.4-4.6	318-350	4.0-4.4	347-370	4.35-4.65	36.6-39.8	4.6-5.0	250
XM4636	450-470	4.5-4.7	255-279	3.2-3.5	275-299	3.45-3.75	38.3-41.5	4.8-5.2	250
XM4654	450-470	4.5-4.7	330-360	4.15-4.45	415-445	5.25-5.55	39.8-43.0	5.0-5.4	250
XM4748	460-480	4.6-4.8	328-352	4.15-4.4	368-392	4.65-4.95	41.5-44.7	5.2-5.6	250



Typical Magnetic Properties of Bonded Magnets

Item	Grade	Remanence		Coercivity				Max Energy Product		Max Working Temperature	Density
		B_r		H_{cB}		H_{cJ}		$(BH)_{max}$		T _w Max	ρ
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	° C	g/cm³
Compression Molded NdFeB Magnet	KBM-2	0.30-0.40	3.0-4.0	160-240	2.0-3.0	480-640	6.0-8.0	16-24	2.0-3.0	≤120	4.5-6.0
	KBM-4	0.40-0.50	4.0-5.0	240-320	3.0-4.0	560-720	7.0-9.0	32-44	4.0-5.5	≤120	5.2-6.0
	KBM-6	0.50-0.60	5.0-6.0	320-400	4.0-5.0	480-640	6.0-8.0	48-60	6.0-7.5	≤120	5.5-6.0
	KBM-8	0.60-0.68	6.0-6.8	360-440	4.5-5.5	640-800	8.0-10.0	64-72	8.0-9.0	≤150	5.8-6.1
	KBM-8H	0.60-0.65	6.0-6.5	400-480	5.0-6.0	1120-1280	14.0-16.0	60-68	7.5-8.5	≤160	5.8-6.2
	KBM-8L	0.65-0.68	6.5-6.8	400-480	5.0-6.0	900-1120	11.0-14.0	64-72	8.0-9.0	≤160	5.8-6.2
	KBM-9	0.60-0.68	6.0-6.8	400-480	5.0-6.0	640-800	8.0-10.0	68-72	8.5-9.0	≤150	5.8-6.2
	KBM-10	0.68-0.73	6.8-7.3	400-480	5.0-6.0	640-800	8.0-10.0	76-84	9.5-10.5	≤150	5.8-6.2
	KBM-12	0.71-0.75	7.1-7.5	440-520	5.5-6.5	720-800	9.0-10.0	84-96	10.5-12.0	≤150	6.0-6.2
	KBM-12L	0.72-0.76	7.2-7.6	400-480	5.0-6.0	480-640	6.0-8.0	84-96	10.5-12.0	≤140	6.0-6.2
Injection Molded NdFeB Magnet	KBI-3	0.20-0.30	2.0-3.0	160-240	2.0-3.0	480-640	6.0-8.0	12-24	1.5-3.0	≤100	3.9-4.4
	KBI-4	0.35-0.45	3.5-4.5	240-320	3.0-4.0	560-720	7.0-9.0	24-36	3.0-4.5	≤120	4.2-4.9
	KBI-5	0.45-0.52	4.5-5.2	320-360	4.0-4.5	560-720	7.0-9.0	36-44	4.5-5.5	≤120	4.5-5.0
	KBI-5H(PPS)	0.48-0.52	4.8-5.2	400-480	5.0-6.0	880-1040	11.0-13.0	36-44	4.5-5.5	≤150	4.9-5.4
	KBI-6	0.50-0.55	5.0-5.5	320-440	4.0-5.5	640-800	8.0-10.0	44-52	5.5-6.5	≤120	4.7-5.1
	KBI-7	0.54-0.64	5.4-6.4	320-400	4.0-5.0	640-800	8.0-10.0	52-60	6.5-7.5	≤120	5.0-5.5
	KBI-8	0.64-0.74	6.4-7.4	400-480	5.0-6.0	640-800	8.0-10.0	68-76	8.5-9.5	≤120	5.5-5.9
Injection Molded Ferrite Magnet	KBI-F1.5	0.22-0.24	2.2-2.4	160-167	2.00-2.10	231-240	2.90-3.00	11.6-12.4	1.45-1.55	≤120	3.25
	KBI-F1.9	0.27-0.29	2.7-2.9	180-186	2.25-2.33	216-228	2.70-2.85	14.8-15.6	1.85-1.95	≤120	3.63
	KBI-F2.0	0.28-0.29	2.8-2.9	184-200	2.30-2.50	216-246	2.70-3.10	15.6-16.4	1.95-2.05	≤120	3.7
	KBI-F2.1	0.28-0.29	2.8-2.9	190-204	2.38-2.55	224-249	2.80-3.12	16.4-17.2	2.05-2.15	≤120	3.75
	KBI--F1.7(PPS)	0.25-0.26	2.5-2.6	167-175	2.10-2.20	208-216	2.60-2.70	13.6-14.0	1.70-1.75	≤160	3.65



Typical Magnetic Properties of Soft Magnets

Typical Magnetic Poperties of Soft Magnets

FeCoV Soft Magnetic Alloy										
Grade	Level	Magnetic induction						Coercive force		
		B400	B800	B1600	B2400	B4000	B8000	Hc		
		T(Min)						A/m(Max)		
1J21	I	1.8	2	2.1	2.3	2.4	—	80		
	II	1.8	2	2.1	2.3	2.4	—	48		
1J22	—	1.6	1.8	2	2.1	2.2	2.2	128		
FeCoV Magnetic Hysteresis Alloy										
Grade	Intermediate species	Level	B(m)±1.23T		B(m)±1.36T		B(m)±1.42T			
			Hm	Pro (10 ⁵ erg/ cm ³ Hz)	Hm	Pro	Hm	Pro (10 ⁵ erg/cm ³ Hz)		
			(A/m)		(A/m)	(10 ⁵ erg/ cm ³ Hz)	(A/m)			
2J4	Cold rolled strip	I	≤4400	≥1.44	≤4800	≥1.65	≤5200	≥1.85		
		II	5174A/m			9552A/m				
			Br	Hc	Pro (10 ⁵ erg/ cm ³ Hz)	Br	Hc	Pro		
			(T)	(A/m)		(T)	(A/m)	(10 ⁵ erg/cm ³ Hz)		
			≥1.1	≥3582		≥1.8	≥1.1	≥3582	≥2.6	
FeNi Soft Magnetic Alloy										
Grade	Intermediate species	Level	Thickness/Diameter (mm)	U _{0.4}	Um	Hc	Bs			
				mH/m(Min)		A/m(Max)	T(Min)			
1J50	Cold rolled strip	II	0.10-0.19	3.8	43.8	12	1.5			
			0.20-0.34	4.4	56.3	10.4				
			0.35-0.50	5	65	8.8				
			0.51-1.00	5	50	10				
			1.10-2.50	3.8	44	12				
1J85	Cold rolled strip	I	0.20-0.34	50	225	1.2	0.7			
			0.35-1.00	62.5	312.5	0.8				
			1.10-2.50	50	187.5	1.2				
			2.51-3.00	43.8	150	1.4				
Anti-corrosion Soft Magnetic Alloy										
Grade	Magnetic induction					Remanence induction			Um	Hc
	B240	B400	B800	B2400	B3200	Br240	Br2400	Br3200	mH/m(Min)	A/m(Max)
	T(Min)					T(Max)				
1J117	0.9	—	1	—	1.25	—	—	—	—	80
Cr17NiTi	—	0.9	1	1.2	—	—	0.95	—	3.75	80



Typical Magnetic Properties of FeCrCo Magnets

Grade	Remanence		Coercivity				Max Energy Product		Remark
	B_r		H_{CB}		H_{CJ}		$(BH)_{max}$		
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	
FeCrCo10/3	0.82	8.2	27	0.34	29	0.36	10	1.25	Isotropic
FeCrCo12/4	0.80	8.0	40	0.50	42	0.53	12	1.5	
FeCrCo16/2	1.30	13.0	20	0.25	22	0.275	16	2.0	Anisotropic
FeCrCo28/5	1.00	10.0	45	0.57	46	0.58	28	3.5	
FeCrCo30/4	1.15	11.5	40	0.50	41	0.51	30	3.8	
FeCrCo35/5	1.05	10.5	50	0.63	51	0.64	35	4.4	
FeCrCo36/5	1.20	12.0	52	0.66	54	0.68	36	4.5	
FeCrCo44/4	1.30	13.0	44	0.56	45	0.57	44	5.5	
FeCrCo52/5	1.35	13.5	48	0.60	49	0.62	52	6.5	



Typical Magnetic Properties of Rubber Magnets

Grade	Remanence		Coercivity				Max Energy Product		Remark
	B_r		H_{CB}		H_{CJ}		$(BH)_{max}$		
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	
RMT-B5	170-190	1.7-1.9	95-115	1.2-1.45	150-190	1.88-2.40	4.6-6.5	0.57-0.80	Isotropic
RMT-B6.5	185-200	1.85-2.0	90-110	1.13-1.38	125-150	1.57-1.88	6.0-7.0	0.74-0.93	
RMA-10	220-240	2.2-2.4	2.07	1.76	200-235	2.5-2.95	9.0-10.5	1.1-1.3	Anisotropic
RMA-11	230-250	2.3-2.5	145-165	1.82-2.07	190-225	2.38-2.85	9.5-11.0	1.18-1.36	
RMA-13	250-270	2.5-2.7	175-190	2.2-2.4	200-230	2.5-2.9	11.5-14.5	1.42-1.80	
RMA-15	>270	>2.7	175-190	2.2-2.4	200-230	2.5-2.9	>14.5	>1.8	