Magnetic Properties

Grade	Remanence (Min)		Magnetic Induction Coercivity(Min)		Intrinsic Coercivity(Min)		Max Magnetic energy Product (Range)		Maximum Working Temperature
	Br		Hcb		Hcj		(BH)max		
	KGs	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m³	℃
N52	14.3	1.43	10.5	836	11	876	49~53	390~422	80
N50	14.0	1.40	10.5	836	11	876	48~51	380~406	80
N48	13.7	1.37	10.5	836	11	876	46~49	366~390	80
N45	13.3	1.33	10.8	860	12	960	42~46	335~366	80
N42	13.0	1.30	10.8	860	12	960	40~43	320~343	80
N40	12.7	1.27	10.8	860	12	960	38~41	302~327	80
N38	12.3	1.23	10.8	860	12	960	36~39	287~310	80
N35	11.8	1.18	10.8	860	12	960	33~37	263~295	80
N50M	14.0	1.40	13.1	1042	14	1114	48~51	380~406	100
N48M	13.6	1.36	12.8	1018	14	1114	46~49	366~390	100
N45M	13.3	1.33	12.5	994	14	1114	42~46	335~366	100
N42M	13.0	1.30	12.0	955	14	1114	40~43	320~343	100
N40M	12.7	1.27	11.8	939	14	1114	38~41	302~327	100
N38M	12.3	1.23	11.6	915	14	1114	36~39	287~310	100
N35M	11.8	1.18	10.8	860	14	1114	33~37	263~295	100
N50H	14.0	1.40	13.1	1042	17	1350	48~51	380~406	120
N48H	13.6	1.36	12.8	1018	17	1350	46~49	366~390	120
N45H	13.3	1.33	12.5	994	17	1350	42~46	335~366	120
N42H	13.0	1.30	12.0	955	17	1350	40~43	320~343	120
N40H	12.7	1.27	11.8	939	17	1350	38~41	302~327	120
N38H	12.3	1.23	11.6	915	17	1350	36~39	287~310	120
N35H	11.8	1.18	11.0	876	17	1350	33~37	263~295	120
N33H	11.4	1.14	10.6	844	17	1350	31~35	247~279	120
N30H	10.8	1.08	10.0	795	17	1350	28~32	223~255	120

Grade	Remanence (Min)		Magnetic Induction Coercivity		Intrinsic Coercivity		Max Magnetic energy Product (Range)		Maximum Working Temperature
	Br		Hcb		Hcj		(BH)max		
	KGs	T	Koe	KA/m	Koe	KA/m	MGOe	KJ/m³	℃
N45SH	13.3	1.33	12.5	994	20	1600	42~46	335~366	150
N42SH	13.0	1.30	12.0	955	20	1600	40~43	320~343	150
N40SH	12.7	1.27	11.8	939	20	1600	38~41	302~327	150
N38SH	12.3	1.23	11.6	915	20	1600	36~39	287~310	150
N35SH	11.8	1.18	11.0	876	20	1600	33~37	263~295	150
N33SH	11.4	1.14	10.6	844	20	1600	31~35	247~279	150
N30SH	10.8	1.08	10.0	795	20	1600	28~32	223~255	150
N42UH	13.0	1.30	12.0	955	25	2000	40~43	320~343	180
N40UH	12.7	1.27	11.8	939	25	2000	38~41	302~343	180
N38UH	12.3	1.23	10.6	915	25	2000	36~39	287~310	180
N35UH	11.8	1.18	10.8	860	25	2000	33~37	263~295	180
N33UH	11.4	1.14	10.6	844	25	2000	31~35	247~279	180
N30UH	10.8	1.08	10.0	795	25	2000	28~32	223~255	180
N28UH	10.4	1.04	9.5	756	25	2000	26~29	207~231	180
N38EH	12.3	1.23	11.6	915	30	2400	36~39	287~310	200
N35EH	11.8	1.18	11.0	876	30	2400	33~37	263~295	200
N33EH	11.4	1.14	10.6	844	30	2400	31~35	247~279	200
N30EH	10.8	1.08	10.0	795	30	2400	28~32	223~255	200
N28EH	10.4	1.04	9.5	756	30	2400	26~29	207~231	200
N33VH	11.4	1.14	10.6	844	35	2800	31~35	247~279	220
N30VH	10.8	1.08	10.0	795	35	2800	28~32	223~255	220

Note:

1.The above-mentioned data of magnetic parameters and physical properties are given at room temperature.

2.The maximum service temperature of magnet is changeable due to the ratio of length and diameter, coating and enviro -nmental factors.

3.Density: 7.4-7.65g/cm³ , Reversible Temperature Coefficient : α -0.13~-0.09% ℃; β -0.80~-0.50% ℃; Hardness: HV600.