

Magnetic Performance Chart

Updated: Aug, 2024

Three charts are included in this file, the grades in each chart are under specific material technology.

Chart 1: Under Normal Technology.

Chart 2: Under GBD(Grain Boundary Diffusion) Technology.

Chart 3: Ce(Cerium) Addition Technology.

Chart 1 Under Normal Technology

1-1 (Normal Technology)

No	Grade	Br				(bH _c)		(iH _c)		(BH) _{max}				Temperature Coefficient [1 / K]%	
		kG		T		kOe	kA/m	kOe	kA/m	MGOe		kJ/m ³		20~100 °C	
		Max	Min	Max	Min	Min		Min		Max	Min	Max	Min	Tk(Js)	Tk(Hcj)
1	N35	12.4	11.8	1.24	1.18	10.8	860	12	955	38	33	302	263	-0.12	-0.7
2	N38	12.9	12.3	1.29	1.23	10.8	860	12	955	41	36	326	287	-0.12	-0.7
3	N40	13.2	12.6	1.32	1.26	10.8	860	12	955	43	38	342	302	-0.12	-0.7
4	N42	13.6	13.0	1.36	1.30	10.8	860	12	955	45	40	358	318	-0.12	-0.7
5	N45	13.8	13.2	1.38	1.32	10.5	836	12	955	47	42	374	334	-0.12	-0.7
6	N48	14.3	13.7	1.43	1.37	10.5	836	12	955	50	45	398	358	-0.12	-0.7
7	N50	14.4	13.9	1.44	1.39	10.5	836	12	955	51	47	406	374	-0.12	-0.7
8	N52	14.6	14.2	1.46	1.42	10.5	836	12	955	53	49	422	390	-0.12	-0.7
9	N54	14.8	14.4	1.48	1.44	10.5	836	11	875	54	50	429	398	-0.12	-0.7
10	N56	15.0	14.6	1.50	1.46	9.0	716	10	796	55	51	437	405	-0.12	-0.7
11	N58	15.2	14.8	1.52	1.48	9.0	716	10	796	56	52	445	413	-0.12	-0.7
12	N35M	12.4	11.8	1.24	1.18	11.0	876	14	1114	38	33	302	263	-0.12	-0.7
13	N38M	12.9	12.3	1.29	1.23	11.5	915	14	1114	41	36	326	287	-0.12	-0.7
14	N40M	13.2	12.6	1.32	1.26	11.8	939	14	1114	43	38	342	302	-0.12	-0.7
15	N42M	13.6	13.0	1.36	1.30	12.0	955	14	1114	45	40	358	318	-0.12	-0.7
16	N45M	13.8	13.2	1.38	1.32	12.2	971	14	1114	47	42	374	334	-0.12	-0.7
17	N48M	14.3	13.7	1.43	1.37	12.5	995	14	1114	50	45	398	358	-0.12	-0.7
18	N50M	14.4	13.9	1.44	1.39	12.7	1011	14	1114	51	47	405	374	-0.12	-0.7
19	N52M	14.6	14.2	1.46	1.42	12.8	1019	14	1114	53	49	422	390	-0.12	-0.7
20	N54M	14.8	14.4	1.48	1.44	12.8	1019	14	1114	54	50	429	398	-0.12	-0.7
21	N56M	15.0	14.6	1.50	1.46	12.5	995	13	1035	55	51	437	406	-0.12	-0.7
22	N58M	15.2	14.8	1.52	1.48	12.5	995	13	1035	56	52	445	413	-0.12	-0.7
23	N35H	12.4	11.8	1.24	1.18	11.0	876	17	1353	38	33	302	263	-0.12	-0.7
24	N38H	12.9	12.3	1.29	1.23	11.5	915	17	1353	41	36	326	287	-0.12	-0.7
25	N40H	13.2	12.6	1.32	1.26	11.8	939	17	1353	43	38	342	302	-0.12	-0.7
26	N42H	13.4	12.8	1.34	1.28	12.0	955	17	1353	44	39	350	310	-0.12	-0.7
27	N45H	13.7	13.2	1.37	1.32	12.3	971	17	1353	47	42	374	334	-0.12	-0.7
28	N48H	14.1	13.6	1.41	1.36	12.7	1011	16	1273	50	45	398	358	-0.12	-0.7
29	N50H	14.3	13.9	1.43	1.39	13.0	1035	16	1273	51	47	406	374	-0.12	-0.7
30	N52H	14.6	14.2	1.46	1.42	13.2	1051	16	1273	53	49	422	390	-0.12	-0.7
31	N54H	14.8	14.4	1.48	1.44	13.4	1067	16	1273	54	50	429	398	-0.12	-0.7
32	N33SH	12.0	11.4	1.20	1.14	10.7	852	20	1592	36	31	287	247	-0.11	-0.65
33	N35SH	12.4	11.8	1.24	1.18	11.1	884	20	1592	38	33	302	263	-0.11	-0.65
34	N38SH	12.9	12.3	1.29	1.23	11.6	923	20	1592	41	36	326	287	-0.11	-0.65
35	N40SH	13.2	12.6	1.32	1.26	11.8	939	20	1592	43	38	342	302	-0.11	-0.65
36	N42SH	13.4	12.8	1.34	1.28	12.0	955	20	1592	44	39	350	310	-0.11	-0.65
37	N45SH	13.7	13.2	1.37	1.32	12.4	987	20	1592	47	42	374	334	-0.11	-0.65
38	N48SH	14.1	13.6	1.41	1.36	12.7	1011	19	1512	50	45	398	358	-0.11	-0.65
39	N50SH	14.3	13.9	1.43	1.39	13.0	1035	19	1512	51	47	406	374	-0.11	-0.65
40	N52SH	14.6	14.2	1.46	1.42	13.3	1059	19	1512	53	49	422	390	-0.11	-0.65
41	N33SH-B	12.0	11.4	1.20	1.14	10.7	852	22	1751	36	31	287	247	-0.11	-0.65
42	N35SH-B	12.4	11.8	1.24	1.18	11.1	884	22	1751	38	33	302	263	-0.11	-0.65
43	N38SH-B	12.9	12.3	1.29	1.23	11.6	923	22	1751	41	36	326	287	-0.11	-0.65
44	N40SH-B	13.2	12.6	1.32	1.26	11.8	939	22	1751	43	38	342	302	-0.11	-0.65
45	N42SH-B	13.4	12.8	1.34	1.28	12.0	955	22	1751	44	39	350	310	-0.11	-0.65
46	N45SH-B	13.7	13.2	1.37	1.32	12.4	987	22	1751	47	42	374	334	-0.11	-0.65
47	N48SH-B	14.0	13.6	1.4	1.36	12.7	1011	22	1751	50	45	398	358	-0.11	-0.65
48	N50SH-B	14.3	13.9	1.43	1.39	13.0	1035	21	1672	52	47	414	374	-0.11	-0.65
49	N52SH-B	14.5	14.2	1.45	1.42	13.3	1059	21	1672	53	49	422	390	-0.11	-0.65

1-2(Normal Technology)

No	Grade	Br				(bH _c)		(iH _c)		(BH) _{max}				Temperature Coefficient [1 / K]%	
		kG		T		kOe	kA/m	kOe	kA/m	MGOe		kJ/m ³		20~100 °C	
		Max	Min	Max	Min	Min		Min		Max	Min	Max	Min	Tk(Js)	Tk(Hcj)
50	N30UH	11.5	10.9	1.15	1.09	10.2	812	25	1990	33	28	263	223	-0.11	-0.6
51	N33UH	12.0	11.4	1.2	1.14	10.8	860	25	1990	36	31	287	247	-0.11	-0.6
52	N35UH	12.4	11.8	1.24	1.18	11.2	892	25	1990	38	33	302	263	-0.11	-0.6
53	N38UH	12.8	12.2	1.28	1.22	11.6	923	25	1990	41	36	326	287	-0.11	-0.6
54	N40UH	13.2	12.6	1.32	1.26	12.0	955	25	1990	43	38	342	302	-0.11	-0.6
55	N42UH	13.4	12.8	1.34	1.28	12.2	971	25	1990	44	39	350	310	-0.11	-0.6
56	N45UH	13.7	13.2	1.37	1.32	12.4	987	25	1990	47	42	374	334	-0.11	-0.6
57	N48UH	14.0	13.6	1.4	1.36	12.8	1019	24	1911	50	45	398	358	-0.11	-0.63
58	N30UH-B	11.5	10.9	1.15	1.09	10.2	812	27	2149	33	28	263	223	-0.11	-0.6
59	N33UH-B	12.0	11.4	1.2	1.14	10.8	860	27	2149	36	31	287	247	-0.11	-0.6
60	N35UH-B	12.4	11.8	1.24	1.18	11.2	892	27	2149	38	33	302	263	-0.11	-0.6
61	N38UH-B	12.8	12.2	1.28	1.22	11.6	923	27	2149	41	36	326	287	-0.11	-0.6
62	N40UH-B	13.2	12.6	1.32	1.26	12.0	955	27	2149	43	38	342	302	-0.11	-0.6
63	N42UH-B	13.3	12.8	1.33	1.28	12.2	971	27	2149	44	39	350	310	-0.11	-0.6
64	N45UH-B	13.6	13.2	1.36	1.32	12.4	987	27	2149	47	42	374	334	-0.11	-0.6
65	N30EH	11.5	10.9	1.15	1.09	10.3	820	30	2388	33	28	263	223	-0.11	-0.55
66	N33EH	12.0	11.4	1.2	1.14	10.8	860	30	2388	36	31	287	247	-0.11	-0.55
67	N35EH	12.3	11.7	1.23	1.17	11.1	884	30	2388	38	33	302	263	-0.11	-0.55
68	N38EH	12.8	12.2	1.28	1.22	11.6	923	30	2388	41	36	326	287	-0.11	-0.55
69	N40EH	13.1	12.6	1.31	1.26	12.0	955	30	2388	43	38	342	302	-0.11	-0.55
70	N44EH	13.4	13.0	1.34	1.30	12.3	979	29	2308	45	41	358	326	-0.11	-0.55
71	N45EH	13.6	13.2	1.36	1.32	12.5	995	29	2308	46	42	366	334	-0.11	-0.55
72	N30EH-B	11.5	10.9	1.15	1.09	10.2	812	32	2547	33	28	263	223	-0.11	-0.55
73	N33EH-B	12.0	11.4	1.2	1.14	10.8	860	32	2547	36	31	287	247	-0.11	-0.55
74	N35EH-B	12.3	11.7	1.23	1.17	11.1	884	32	2547	38	33	302	263	-0.11	-0.55
75	N38EH-B	12.8	12.2	1.28	1.22	11.6	923	32	2547	41	36	326	287	-0.11	-0.55
76	N40EH-B	13.1	12.6	1.31	1.26	12.0	955	32	2547	43	38	342	302	-0.11	-0.55
77	N44EH-B	13.4	13.0	1.34	1.30	12.3	979	32	2547	45	41	358	326	-0.11	-0.55
78	N28EHS	11.1	10.5	1.11	1.05	10.0	796	35	2786	31	26	247	207	-0.1	-0.5
79	N30EHS	11.5	10.9	1.15	1.09	10.3	820	35	2786	33	28	263	223	-0.1	-0.5
80	N33EHS	11.9	11.3	1.19	1.13	10.7	852	35	2786	36	31	287	247	-0.1	-0.5
81	N35EHS	12.2	11.6	1.22	1.16	11.0	876	35	2786	38	33	302	263	-0.1	-0.5
82	N38EHS	12.8	12.2	1.28	1.22	11.6	923	34	2706	41	36	326	287	-0.1	-0.5
83	N40EHS	13.1	12.6	1.31	1.26	12.0	955	34	2706	43	38	342	302	-0.1	-0.5
84	N42EHS	13.3	12.8	1.33	1.28	12.2	971	34	2706	44	39	350	310	-0.11	-0.6
85	N28EHS-B	11.1	10.5	1.11	1.05	10.0	796	37	2945	31	26	247	207	-0.1	-0.5
86	N30EHS-B	11.5	10.9	1.15	1.09	10.3	820	37	2945	33	28	263	223	-0.1	-0.5
87	N33EHS-B	11.9	11.3	1.19	1.13	10.7	852	37	2945	36	31	287	247	-0.1	-0.5
88	N35EHS-B	12.1	11.6	1.21	1.16	11.0	876	37	2945	38	33	302	263	-0.1	-0.5
89	N38EHS-B	12.4	12.0	1.24	1.20	11.4	907	37	2945	41	36	326	287	-0.1	-0.5
90	N28EHS-C	11.1	10.5	1.11	1.05	10.0	796	40	3183	31	26	247	207	-0.1	-0.5
91	N30EHS-C	11.5	10.9	1.15	1.09	10.3	820	40	3183	33	28	263	223	-0.1	-0.5
92	N33EHS-C	11.9	11.3	1.19	1.13	10.7	852	40	3183	36	31	287	247	-0.1	-0.5
93	N35EHS-C	12.1	11.6	1.21	1.16	11.0	876	40	3183	38	33	302	263	-0.1	-0.5
94	N28EHS-D	11.1	10.5	1.11	1.05	10.0	796	42	3443	31	26	247	207	-0.1	-0.5
95	N30EHS-D	11.5	10.9	1.15	1.09	10.3	820	42	3443	33	28	263	223	-0.1	-0.5
96	N33EHS-D	11.9	11.3	1.19	1.13	10.7	852	42	3443	36	31	287	247	-0.1	-0.5

Chart 2 Under GBD(Grain Boundary Diffusion) Technology

2-1(GBD Technology)

No	Grade	Br				(bH _c)		(iH _c)		(BH) _{max}			
		kG		T		kOe	kA/m	kOe	kA/m	MGOe		kJ/m ³	
		Max	Min	Max	Min	Min		Min		Max	Min	Max	Min
1	G52H	14.6	14.2	1.46	1.42	13.2	1051	17	1353	52	49	430	390
2	G54H	14.8	14.4	1.48	1.44	13.5	1075	17	1353	54	50	438	398
3	G56H	15.0	14.6	1.50	1.46	13.9	1106	16	1274	56	51	446	406
4	G58H	15.2	14.8	1.52	1.48	14.0	1114	16	1274	57	52	453	413
5	G42SH	13.4	12.8	1.34	1.28	12.0	955	20	1592	44	39	350	310
6	G45SH	13.7	13.2	1.37	1.32	12.4	987	20	1592	47	42	374	334
7	G48SH	14.1	13.6	1.41	1.36	13.0	1035	20	1592	50	45	398	358
8	G50SH	14.4	13.9	1.44	1.39	13.2	1051	20	1592	52	47	414	374
9	G52SH	14.5	14.1	1.45	1.41	13.4	1067	20	1592	53	48	422	382
10	G54SH	14.7	14.3	1.47	1.43	13.5	1075	20	1592	54	50	430	398
11	G56SH	14.9	14.5	1.49	1.45	13.7	1090	19	1512	56	51	446	406
12	G58SH	15.1	14.7	1.51	1.47	13.9	1106	19	1512	57	52	453	413
13	G42SH-B	13.4	12.8	1.34	1.28	12.0	955	22	1751	44	39	350	310
14	G45SH-B	13.7	13.2	1.37	1.32	12.4	987	22	1751	47	42	374	334
15	G48SH-B	14.1	13.6	1.41	1.37	13.0	1035	22	1751	50	45	398	358
16	G50SH-B	14.4	13.9	1.44	1.39	13.2	1051	22	1751	50	46	498	366
17	G52SH-B	14.5	14.1	1.45	1.41	13.4	1067	22	1751	52	47	414	374
18	G54SH-B	14.7	14.3	1.47	1.43	13.5	1075	22	1751	55	50	438	398
19	G56SH-B	14.9	14.5	1.49	1.45	13.7	1090	21	1671	56	51	446	406
20	G58SH-B	15.1	14.7	1.51	1.47	13.9	1106	21	1671	57	52	453	413
21	G38UH	12.8	12.2	1.28	1.22	11.6	923	25	1990	41	36	326	287
22	G40UH	13.2	12.6	1.32	1.26	12.0	955	25	1990	43	38	342	302
23	G42UH	13.4	12.8	1.34	1.28	12.2	971	25	1990	44	39	350	310
24	G45UH	13.7	13.1	1.37	1.31	12.4	987	25	1990	46	41	366	326
25	G48UH	14.1	13.6	1.41	1.36	12.9	1027	25	1990	49	44	390	350
26	G50UH	14.4	13.9	1.44	1.39	13.2	1051	25	1990	51	46	406	366
27	G52UH	14.5	14.1	1.45	1.41	13.4	1067	25	1990	52	47	414	374
28	G54UH	14.7	14.3	1.47	1.43	13.5	1075	25	1990	55	50	438	398
29	G56UH	14.9	14.5	1.49	1.45	13.7	1090	25	1990	56	51	446	406
30	G58UH	15.1	14.7	1.51	1.47	13.9	1106	24	1910	57	52	453	413
31	G38UH-B	12.8	12.2	1.28	1.22	11.6	923	27	2149	41	36	326	287
32	G40UH-B	13.2	12.6	1.32	1.26	12.0	955	27	2149	43	38	342	302
33	G42UH-B	13.4	12.8	1.34	1.28	12.1	963	27	2149	44	39	350	310
34	G45UH-B	13.7	13.1	1.37	1.31	12.4	987	27	2149	47	42	374	334
35	G48UH-B	14.0	13.6	1.40	1.36	12.8	1019	27	2149	49	44	390	350
36	G50UH-B	14.4	13.9	1.44	1.39	13.2	1051	27	2149	51	46	406	366
37	G52UH-B	14.5	14.1	1.45	1.41	13.4	1067	27	2149	52	47	414	374
38	G54UH-B	14.7	14.3	1.47	1.43	13.5	1075	26	2070	55	50	438	398
39	G38EH	12.8	12.2	1.28	1.22	11.6	923	30	2388	41	36	326	287
40	G40EH	13.2	12.6	1.32	1.26	12.0	955	30	2388	43	38	342	302
41	G44EH	13.4	12.9	1.34	1.29	12.2	971	30	2388	45	40	358	318
42	G46EH	13.8	13.4	1.38	1.34	12.7	1011	30	2388	48	43	382	342
43	G48EH	14.0	13.6	1.40	1.36	12.9	1027	30	2388	49	44	390	350
44	G50EH	14.4	13.9	1.44	1.39	13.2	1051	29	2308	51	46	406	366
45	G52EH	14.5	14.1	1.45	1.41	13.4	1067	28	2229	52	47	414	374
46	G38EH-B	12.9	12.3	1.29	1.23	11.7	931	32	2547	41	36	326	287
47	G40EH-B	13.2	12.6	1.32	1.26	12.0	955	32	2547	43	38	342	302
48	G44EH-B	13.4	12.9	1.34	1.29	12.2	971	32	2547	45	40	358	318

2-2(GBD Technology)

No	Grade	Br				(bH _c)		(iH _c)		(BH) _{max}			
		kG		T		kOe	kA/m	kOe	kA/m	MGOe		kJ/m ³	
		Max	Min	Max	Min	Min		Min		Max	Min	Max	Min
49	G46EH-B	13.8	13.4	1.38	1.34	12.7	1011	32	2547	48	43	382	342
50	G48EH-B	14.0	13.6	1.40	1.36	12.9	1027	32	2547	49	44	390	350
51	G35EHS	12.2	11.6	1.22	1.16	11.0	876	35	2786	38	33	302	263
52	G38EHS	12.8	12.2	1.28	1.22	11.6	923	35	2786	40	35	318	279
53	G40EHS	13.0	12.5	1.30	1.25	12.0	955	35	2786	43	38	342	302
54	G44EHS	13.4	13	1.34	1.3	12.3	979	35	2786	46	41	366	326
55	G46EHS	13.8	13.4	1.38	1.34	12.7	1011	35	2786	48	43	382	342
56	G48EHS	14.0	13.6	1.40	1.36	12.9	1027	35	2786	49	44	390	350
57	G35EHS-B	12.1	11.6	1.21	1.16	11.0	876	37	2945	38	33	302	263
58	G38EHS-B	12.6	12.1	1.26	1.21	11.5	915	37	2945	41	36	326	287
59	G40EHS-B	13.0	12.5	1.30	1.25	12.0	955	37	2945	43	38	342	302
60	G44EHS-B	13.4	13	1.34	1.3	12.3	979	37	2945	46	41	366	326
61	G46EHS-B	13.8	13.4	1.38	1.34	12.7	1011	37	2945	48	43	382	342
62	G48EHS-B	14.0	13.6	1.40	1.36	12.9	1027	37	2945	49	44	390	350
63	G40TH	13.0	12.5	1.30	1.25	12.0	955	40	3184	43	38	342	302
64	G44TH	13.4	13	1.34	1.3	12.3	979	40	3184	46	41	366	326
65	G46TH	13.7	13.4	1.37	1.34	12.6	1003	39	3104	48	43	382	342
66	G40TH-B	13	12.5	1.3	1.25	12.0	955	42	3343	43	38	342	302
67	G44TH-B	13.4	13	1.34	1.3	12.3	979	42	3343	46	41	366	326
68	G46TH-B	13.7	13.4	1.37	1.34	12.6	1003	41	3264	48	43	382	342
69	G40THS	13	12.5	1.3	1.25	12.0	955	45	3582	43	38	342	302
70	G44THS	13.4	13	1.34	1.3	12.3	979	44	3502	46	41	366	326

Under GBD Technology, thickness of the magnets should be: 1.5 mm ≤ Thickness ≤ 8mm

Chart 3 Ce(Cerium) Addition Technology

3-1(Ce Addition Technology)

No	Grade	Br				(bH _c)		(iH _c)		(BH) _{max}				Temperature Coefficient [1 / K]%	
		kG		T		kOe	kA/m	kOe	kA/m	MGOe		kJ/m ³		20~100 °C	
		Max	Min	Max	Min	Min		Min		Max	Min	Max	Min	Tk(Js)	Tk(Hcj)
1	C35N	12.4	11.8	1.24	1.18	10.8	860	12	955	38	33	302	263	-0.14	-0.7
2	C38N	12.9	12.3	1.29	1.23	10.8	860	12	955	41	36	326	287	-0.14	-0.7
3	C40N	13.2	12.6	1.32	1.26	10.8	860	12	955	43	38	342	302	-0.14	-0.7
4	C42N	13.6	13	1.36	1.3	10.8	860	12	955	45	40	358	318	-0.14	-0.7
5	C45N	13.8	13.2	1.38	1.32	10.5	836	12	955	47	42	374	334	-0.14	-0.7
6	C48N	14.3	13.7	1.43	1.37	10.5	836	12	955	50	45	398	358	-0.14	-0.7
7	C50N	14.4	13.9	1.44	1.39	10.5	836	12	955	51	47	406	374	-0.14	-0.7
8	C52N	14.6	14.2	1.46	1.42	10.5	836	12	955	53	49	422	390	-0.14	-0.7
9	C54N	14.8	14.4	1.48	1.44	10.5	836	11	875	54	50	429	398	-0.14	-0.7
10	C56N	15.0	14.6	1.50	1.46	9.0	716	10	796	55	51	437	405	-0.14	-0.7
11	C35M	12.4	11.8	1.24	1.18	11.0	876	14	1114	38	33	302	263	-0.14	-0.7
12	C38M	12.9	12.3	1.29	1.23	11.5	915	14	1114	41	36	326	287	-0.14	-0.7
13	C40M	13.2	12.6	1.32	1.26	11.8	939	14	1114	43	38	342	302	-0.14	-0.7
14	C42M	13.6	13	1.36	1.3	12.0	955	14	1114	45	40	358	318	-0.14	-0.7
15	C45M	13.8	13.2	1.38	1.32	12.2	974	14	1114	47	42	374	334	-0.14	-0.7
16	C48M	14.3	13.7	1.43	1.37	12.5	995	14	1114	50	45	398	358	-0.14	-0.7
17	C50M	14.4	13.9	1.44	1.39	12.7	1011	14	1114	51	47	405	374	-0.14	-0.7
18	C52M	14.6	14.2	1.46	1.42	12.8	1019	14	1114	53	49	422	390	-0.14	-0.7
19	C35H	12.4	11.8	1.24	1.18	11.0	876	17	1353	38	33	302	263	-0.14	-0.7
20	C38H	12.9	12.3	1.29	1.23	11.5	915	17	1353	41	36	326	287	-0.14	-0.7
21	C40H	13.2	12.6	1.32	1.26	11.8	939	17	1353	43	38	342	302	-0.14	-0.7
22	C42H	13.4	12.8	1.34	1.28	12.0	955	17	1353	44	39	350	310	-0.14	-0.7
23	C45H	13.7	13.2	1.37	1.32	12.3	971	17	1353	47	42	374	334	-0.14	-0.7
24	C48H	14.1	13.6	1.41	1.36	12.7	1011	16	1273	50	45	398	358	-0.14	-0.7
25	C50H	14.3	13.9	1.43	1.39	13.0	1035	16	1273	51	47	406	374	-0.14	-0.7
26	CG33SH	12	11.4	1.2	1.14	10.7	852	20	1592	36	31	287	247	-0.14	-0.65
27	CG35SH	12.4	11.8	1.24	1.18	11.1	884	20	1592	38	33	302	263	-0.14	-0.65
28	CG38SH	12.9	12.3	1.29	1.23	11.6	923	20	1592	41	36	326	287	-0.14	-0.65
29	CG40SH	13.2	12.6	1.32	1.26	11.8	939	20	1592	43	38	342	302	-0.14	-0.65
30	CG42SH	13.4	12.8	1.34	1.28	12.0	955	20	1592	44	39	350	310	-0.14	-0.65
31	CG45SH	13.7	13.2	1.37	1.32	12.4	987	20	1592	47	42	374	334	-0.14	-0.65
32	CG48SH	14.1	13.6	1.41	1.36	12.7	1011	19	1512	50	45	398	358	-0.14	-0.65
33	CG50SH	14.3	13.9	1.43	1.39	13.0	1035	19	1512	51	47	406	374	-0.14	-0.65
34	CG52SH	14.6	14.2	1.46	1.42	13.3	1059	19	1512	53	49	422	390	-0.14	-0.65
35	CG33SH-B	12	11.4	1.2	1.14	10.7	852	22	1751	36	31	287	247	-0.14	-0.65
36	CG35SH-B	12.4	11.8	1.24	1.18	11.1	884	22	1751	38	33	302	263	-0.14	-0.65
37	CG38SH-B	12.9	12.3	1.29	1.23	11.6	923	22	1751	41	36	326	287	-0.14	-0.65
38	CG40SH-B	13.2	12.6	1.32	1.26	11.8	939	22	1751	43	38	342	302	-0.14	-0.65
39	CG42SH-B	13.4	12.8	1.34	1.28	12.0	955	22	1751	44	39	350	310	-0.14	-0.65
40	CG45SH-B	13.7	13.2	1.37	1.32	12.4	987	22	1751	47	42	374	334	-0.14	-0.65
41	CG48SH-B	14.1	13.6	1.41	1.36	12.7	1011	22	1751	50	45	398	358	-0.14	-0.65
42	CG50SH-B	14.3	13.9	1.43	1.39	13.0	1035	21	1672	52	47	414	374	-0.14	-0.65
43	CG30UH	11.5	10.9	1.15	1.09	10.2	812	25	1990	33	28	263	223	-0.14	-0.65
44	CG33UH	12	11.4	1.2	1.14	10.8	860	25	1990	36	31	287	247	-0.14	-0.65
45	CG35UH	12.4	11.8	1.24	1.18	11.2	892	25	1990	38	33	302	263	-0.14	-0.65
46	CG38UH	12.8	12.2	1.28	1.22	11.6	923	25	1990	41	36	326	287	-0.14	-0.65
47	CG40UH	13.2	12.6	1.32	1.26	12.0	955	25	1990	43	38	342	302	-0.14	-0.65
48	CG42UH	13.4	12.8	1.34	1.28	12.2	971	25	1990	44	39	350	310	-0.14	-0.65

Comments for these charts:

- ◆ H_{cb}=bH_c, H_{cj}=iH_c
- ◆ Grades filled with color are in R&D stage.