

NINGBO BEILUN MEANK MAGNETICS CO.,LTD

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Material Grade & Property Of Rare Earth Neodymium Magnets

Magnet Type(Grade)	Remanence (Br)		HcB		HcJ		(B-H)max		Max.Temp.
	(KGs)	(mT)	(Koe)	(KA/m)	(Koe)	(KA/m)	(MGOe)	(KJ/m3)	°C
N35	11.7-12.2	1170-1220	≥10.9	≥868	≥12	≥955	33-36	263-287	80°C
N38	12.2-12.5	1220-1250	≥11.3	≥899	≥12	≥955	36-39	287-310	80°C
N40	12.5-12.8	1250-1280	≥11.4	≥907	≥12	≥955	38-41	302-326	80°C
N42	12.8-13.2	1280-1320	≥11.5	≥915	≥12	≥955	40-43	318-342	80°C
N45	13.2-13.8	1320-1380	≥11.6	≥923	≥12	≥955	43-46	342-366	80°C
N48	13.8-14.2	1380-1420	≥10.5	≥836	≥12	≥955	46-49	366-390	80°C
N50	14.0-14.5	1400-1450	≥10.0	≥796	≥11	≥876	48-51	382-406	80°C
N52	14.3-14.8	1430-1480	≥10.0	≥796	≥11	≥876	50-53	398-422	60°C
N54	14.5-15.1	1450-1510	≥10.0	≥796	≥11	≥876	50-53	398-422	60°C
33M	11.3-11.7	1130-1170	≥10.5	≥836	≥14	≥1114	31-33	247-263	100°C
35M	11.7-12.2	1170-1220	≥10.9	≥868	≥14	≥1114	33-36	263-287	100°C
38M	12.2-12.5	1220-1250	≥11.3	≥899	≥14	≥1114	36-39	287-310	100°C
40M	12.5-12.8	1250-1280	≥11.6	≥923	≥14	≥1114	38-41	302-326	100°C
42M	12.8-13.2	1280-1320	≥12.0	≥955	≥14	≥1114	40-43	318-342	100°C
45M	13.2-13.8	1320-1380	≥12.5	≥995	≥14	≥1114	43-46	342-366	100°C

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48M	13.6-14.3	1360-1430	≥12.9	≥1027	≥14	≥1114	46-49	366-390	100℃
50M	14.0-14.5	1400-1450	≥13.0	≥1033	≥14	≥1114	48-51	382-406	100℃
35H	11.7-12.2	1170-1220	≥10.9	≥868	≥17	≥1353	33-36	263-287	120℃
38H	12.2-12.5	1220-1250	≥11.3	≥899	≥17	≥1353	36-39	287-310	120℃
40H	12.5-12.8	1250-1280	≥11.6	≥923	≥17	≥1353	38-41	302-326	120℃
42H	12.8-13.2	1280-1320	≥12.0	≥955	≥17	≥1353	40-43	318-342	120℃
45H	13.2-13.6	1320-1360	≥12.1	≥963	≥17	≥1353	43-46	342-366	120℃
48H	13.7-14.3	1370-1430	≥12.5	≥995	≥17	≥1353	46-49	366-390	120℃
35SH	11.7-12.2	1170-1220	≥11.0	≥876	≥20	≥1592	33-36	263-287	150℃
38SH	12.2-12.5	1220-1250	≥11.4	≥907	≥20	≥1592	36-39	287-310	150℃
40SH	12.5-12.8	1250-1280	≥11.8	≥939	≥20	≥1592	38-41	302-326	150℃
42SH	12.8-13.2	1280-1320	≥12.4	≥987	≥20	≥1592	40-43	318-342	150℃
45SH	13.2-13.8	1320-1380	≥12.6	≥1003	≥20	≥1592	43-46	342-366	150℃
28UH	10.2-10.8	1020-1080	≥9.6	≥764	≥25	≥1990	26-29	207-231	180℃
30UH	10.8-11.3	1080-1130	≥10.2	≥812	≥25	≥1990	28-31	223-247	180℃
33UH	11.3-11.7	1130-1170	≥10.7	≥852	≥25	≥1990	31-34	247-271	180℃
35UH	11.8-12.2	1180-1220	≥10.8	≥860	≥25	≥1990	33-36	263-287	180℃
38UH	12.2-12.5	1220-1250	≥11.0	≥876	≥25	≥1990	36-39	287-310	180℃
40UH	12.5-12.8	1250-1280	≥11.3	≥899	≥25	≥1990	38-41	302-326	180℃

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28EH	10.4-10.9	1040-1090	≥9.8	≥780	≥30	≥2388	26-29	207-231	200℃
30EH	10.8-11.3	1080-1130	≥10.2	≥812	≥30	≥2388	28-31	223-247	200℃
33EH	11.3-11.7	1130-1170	≥10.5	≥836	≥30	≥2388	31-34	247-271	200℃
35EH	11.7-12.2	1170-1220	≥11.0	≥876	≥30	≥2388	33-36	263-287	200℃
38EH	12.2-12.5	1220-1250	≥11.3	≥899	≥30	≥2388	36-39	287-310	200℃
28AH	10.4-10.9	1040-1090	≥9.9	≥787	≥33	≥2642	26-29	207-231	230℃
30AH	10.8-11.3	1080-1130	≥10.3	≥819	≥33	≥2642	28-31	223-247	230℃
33AH	11.3-11.7	1130-1170	≥10.6	≥843	≥33	≥2642	31-34	247-271	230℃

Note:

- The above mentioned magnetic performance dates are all given under room temperature.
- The above mentioned maximum working temperature of neodymium magnets is changeable due to the ratio of length and diameter,surface treatment and environmental factors.
- All above mentioned magnetic property dates are just for reference.