STRONG MAGNETS
Solution of Magnetic

NdFeB (bonded)

Property Table

English Version
For reference only

- Remanence (Br), measure the strength of the magnetic field;
- Coercivity (Hcb / Hcj), the material's resistance to becoming demagnetized;
- Energy product (BHmax), the density of magnetic energy, which relates to the magnetic flux output per unit volume. Higher values indicate stronger magnets
- Curie temperature (Tc), the temperature at which the material loses its magnetism.

Updated on: May.20, 2014

Bonded NdFeB - Property Table - CGS unit

Grade	(range) Remanence (Br)	(range) Intrinsic Coercivity (Hcj)	(range) Coercivity (Hcb)	Max Energy Product (BH)max	Max Working Temperature (Tw)
	kGs	kOe	kOe	MGOe	°C
BNM-5	5.7-6.2	7.0-9.0	3.6-4.0	5.0-6.0	120-140
BNM-6	5.8-6.3	8.0-10.0	4.0-4.7	6.0-7.0	120-140
BNM-7	5.9-6.4	8.0-10.0	4.5-5.2	7.0-8.0	120-140
BNM-8	6.2-6.7	8.5-10.0	5.0-5.8	8.0-9.0	120-140
BNM-8SR	6.2-6.7	11.0-14.0	5.0-5.8	8.0-9.0	140-160
BNM-9	6.4-6.9	8.5-10.0	5.2-5.6	8.5-9.5	120-140
BNM-10	6.7-7.2	8.5-10.0	5.2-6.0	9.0-10.0	120-140
BNM-11	6.9-7.4	9.0-10.5	5.0-5.8	10.0-11.0	120-140
BNM-12	7.4-7.6	9.0-10.5	5.7-6.4	11.0-12.0	120-140
BNM-11L	7.0-7.5	6.5-8.0	5.0-5.8	10.0-11.0	120-140
BNM-12L	7.5-8.0	6.5-8.0	5.4-6.2	10.5-11.5	120-140

*for reference only

Bonded NdFeB - Property Table - SI unit

Grade	(range) Remanence (Br)	(range) Intrinsic Coercivity (Hcj)	(range) Coercivity (Hcb)	Max Energy Product (BH)max	Max Working Temperature (Tw)
	mT	kA/m	kA/m	kJ/m^3	°C
BNM-5	570-620	560-720	288-320	40-48	120-140
BNM-6	580-630	640-800	322-376	48-56	120-140
BNM-7	590-640	640-800	360-416	56-64	120-140
BNM-8	620-670	680-800	400-464	64-72	120-140
BNM-9	640-690	680-800	416-448	68-76	120-140
BNM-10	670-720	680-800	416-480	72-80	120-140
BNM-11	690-740	720-840	400-464	80-88	120-140
BNM-12	740-760	720-840	456-512	88-96	120-140
BNM-11L	700-750	520-640	400-464	80-88	120-140
BNM-12L	750-800	520-640	432-496	84-92	120-140
BNM-8SR	620-670	880-1120	400-464	64-72	140-160

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