

Magnetic features “Bonded Compression Nd-Fe-B”

	Residual induction (Br)	Coercive force (Hcb)	Intrinsic coercive force (Hcj)	Maximum energy product (BH) max	Temp. coefficient of Br to 100°C	Temp. coefficient of Hcj to 100°C	Density (without coating)	Max. work temperatur.	Curie temperatur.	Saturation magnetizing force
Code	T (KGs)	KA/m (kOe)	KA/m (kOe)	KJ/m ³ (MGOe)	% / °C	% / °C	g/cm ³	°C	°C	KA/m (kOe)
Bonmag BM-02	300 - 400 (3.0 - 4.0)	160 - 240 (2.0 - 3.0)	480 - 640 (6.0 - 8.0)	16 - 24 (2.0 - 3.0)	- 0.11	- 0.40	4.5 - 5.0	160	350	≥1600 (≥20)
Bonmag BM-04	400 - 500 (4.0 - 5.0)	240 - 320 (3.0 - 4.0)	560 - 720 (7.0 - 9.0)	32 - 44 (4.0 - 5.5)	- 0.11	- 0.40	5.2 - 5.7	160	350	≥1600 (≥20)
Bonmag BM-06	500 - 600 (5.0 - 6.0)	320 - 400 (4.0 - 6.0)	560 - 720 (7.0 - 9.0)	48 - 60 (6.0 - 7.5)	- 0.11	- 0.40	5.5 - 6.0	160	350	≥1600 (≥20)
Bonmag BM-08	600 - 680 (6.0 - 6.8)	360 - 440 (4.5 - 5.5)	640 - 800 (8.0 - 10.0)	60 - 72 (7.5 - 9.0)	- 0.11	- 0.40	5.8 - 6.1	160	350	≥1600 (≥20)
Bonmag BM-08H	600 - 650 (6.0 - 6.5)	400 - 480 (5.0 - 6.0)	1040 - 1360 (13.0 - 17.0)	60 - 68 (7.5 - 8.5)	- 0.12	- 0.40	5.8 - 6.1	160	300	≥2400 (≥30)
Bonmag BM-08L	600 - 680 (6.0 - 6.8)	400 - 480 (5.0 - 6.0)	640 - 800 (8.0 - 10.0)	64 - 72 (8.0 - 9.0)	- 0.12	- 0.40	5.8 - 6.1	160	300	≥1600 (≥20)
Bonmag BM-08SR	600 - 650 (6.0 - 6.5)	400 - 480 (5.0 - 6.0)	800 - 1120 (10.0 - 14.0)	60 - 68 (7.5 - 8.5)	- 0.13	- 0.40	5.8 - 6.1	180	300	≥2000 (≥25)
Bonmag BM-10	680 - 730 (6.8 - 7.3)	400 - 480 (5.0 - 6.0)	640 - 800 (8.0 - 10.0)	76 - 84 (9.5 - 10.5)	- 0.10	- 0.40	5.2 - 5.7	160	350	≥1600 (≥20)
Bonmag BM-10H	700 - 750 (7.0 - 7.5)	400 - 480 (5.0 - 6.0)	640 - 800 (8.0 - 10.0)	80 - 88 (10.0 - 11.0)	- 0.10	- 0.40	6.0 - 6.3	160	350	≥1600 (≥20)
Bonmag BM-12	720 - 770 (7.2 - 7.7)	440 - 520 (5.5 - 6.5)	720 - 880 (9.0 - 11.0)	88 - 96 (11.0 - 12.0)	- 0.10	- 0.40	6.0 - 6.3	160	350	≥1600 (≥20)
Bonmag BM-12D	720 - 770 (7.2 - 7.7)	440 - 520 (5.5 - 6.5)	720 - 880 (9.0 - 11.0)	88 - 96 (11.0 - 12.0)	- 0.10	- 0.40	6.0 - 6.3	170	400	≥2000 (≥25)
Bonmag BM-12L	760 - 810 (7.6 - 8.1)	400 - 480 (5.0 - 6.0)	480 - 640 (6.0 - 8.0)	88 - 96 (11.0 - 12.0)	- 0.11	- 0.40	6.0 - 6.3	150	320	≥1600 (≥20)
Bonmag BM-13L	780 - 830 (7.8 - 8.3)	400 - 480 (5.0 - 6.0)	480 - 640 (6.0 - 8.0)	88 - 104 (11.0 - 13.0)	- 0.11	- 0.40	6.0 - 6.4	150	320	≥1600 (≥20)

Remark: 1. The properties given above are typical at room temperature 23°C for uncoated samples;
 2. The magnet with other properties could be achieved by using mixed magnetic materials.

