Grade of Bonded Nd-Fe-B Magnet

Grade	Remanence		Intrinsic Coercivity		Magnetic Induction Coercivity		Max Magnetic Energy Product		Maximum Working Temperature
	Br		Hcj		Hcb		(BH)max		℃
	KGs	mT	KOe	KA/m	KOe	KA/m	MGOe	KJ/m³	
BNM-5	5.7-6.2	570-620	7.0-9.0	560-720	3.6-4.0	288-320	5.0-6.0	40-48	120-140
BNM-6	5.8-6.3	580-630	8.0-10.0	640-800	4.0-4.7	322-376	6.0-7.0	48-56	120-140
BNM-7	5.9-6.4	590-640	8.0-10.0	640-800	4.5-5.2	360-416	7.0-8.0	56-64	120-140
BNM-8	6.2-6.7	620-670	8.5-10.0	680-800	5.0-5.8	400-464	8.0-9.0	64-72	120-140
BNM-9	6.4-6.9	640-690	8.5-10.0	680-800	5.2-5.6	416-448	8.5-9.5	68-76	120-140
BNM-10	6.7-7.2	670-720	8.5-10.0	680-800	5.2-6.0	416-480	9.0-10.0	72-80	120-140
BNM-11	6.9-7.4	690-740	9.0-10.5	720-840	5.0-5.8	400-464	10.0-11.0	80-88	120-140
BNM-12	7.4-7.6	740-760	9.0-10.5	720-840	5.7-6.4	456-512	11.0-12.0	88-96	120-140
BNM-11L	7.0-7.5	700-750	6.5-8.0	520-640	5.0-5.8	400-464	10.0-11.0	80-88	120-140
BNM-12L	7.5-8.0	750-800	6.5-8.0	520-640	5.4-6.2	432-496	10.5-11.5	84-92	120-140
BNM-8SR	6.2-6.7	620-670	11.0-14.0	880-1120	5.0-5.8	400-464	8.0-9.0	64-72	140-160

Grade	Recoil Permeability	Saturation Magnetizing Force		Density	Reversible Temp Coefficient
	μ rec	Hs		g/cm³	Br
		KOe	KA/m		%/℃
BNM-5	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-6	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-7	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-8	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-9	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-10	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-11	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-12	1.1-1.2	≥20	≥1600	6.0-6.4	-0.1~-0.13
BNM-11L	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13
BNM-12L	1.1-1.2	≥20	≥1600	5.8-6.2	-0.08~-0.13
BNM-8SR	1.1-1.2	≥20	≥1600	5.8-6.2	-0.1~-0.13