

MAGNETIC CHARACRERISTICS AND PHYSICAL PROPERTIES BONDED COMPRESSION MOULDING NdFeB																		
Grade		BNP-2	BNP-3	BNP-4	BNP-5	BNP-6	BNP-7	BNP-8	BNP-8A	BNP-9L	BNP-9	BNP-9H	BNP-10H	BNP-10	BNP-11	BNP-12D	BNP-12L	BNP-13L
Property																		
Residual Induction [Br]	mT	300-400	400-510	460-520	470-550	550-650	550-650	620-670	620-680	670-730	650-700	650-700	650-710	670-720	680-740	720-770	730-770	780-830
	kGs	3.5-4.0	4.0-5.1	4.6-5.2	4.7-5.5	5.5-6.5	5.5-6.5	6.2-6.7	6.2-6.8	6.7-7.3	6.5-7.0	6.5-7.0	6.5-7.1	6.7-7.2	6.8-7.4	7.2-7.7	7.3-7.7	7.8-8.3
Coercive Force [Hcb보자력]	kA/m	160-240	216-280	224-288	240-360	320-376	320-408	400-456	400-480	360-416	416-456	432-488	432-480	424-480	400-480	440-520	368-432	400-480
	kOe	2.0-3.0	2.7-3.5	2.8-3.6	3.0-4.5	4.0-4.7	4.0-5.1	5.0-5.7	5.0-6.0	4.5-5.2	5.2-5.7	5.4-6.1	5.4-6.0	5.3-6.0	5.0-6.0	5.5-6.5	4.6-5.4	5.0-6.0
Intrinsic Coercive Force [Hcj 고유 보자력]	kA/m	440-600	504-680	504-680	520-680	600-720	560-680	640-800	1040-1280	520-640	680-800	920-1040	784-960	640-800	640-800	720-880	520-640	480-640
	kOe	5.5-7.5	6.3-8.5	6.3-8.5	6.5-8.5	7.5-9.0	7.0-8.5	8.0-10.0	13.0-16.0	6.5-8	8.5-10.0	11.5-13.0	9.8-12.0	8.0-10.0	8.0-10.0	9.0-11.0	6.5-8.0	6.0-8.0
Max. Energy Product (BH)max	kJ/m3	19-26	24-32	30-35	37-44	44-52	52-64	64-76	65-73	68-75	68-76	71-80	74-82	76-84	80-88	88-96	80-88	88-104
	MGOe	2.4-3.3	3.0-4.0	3.8-4.4	4.7-5.5	5.5-6.5	6.5-8.0	8.0-9.5	8.2-9.2	8.6-9.4	8.5-9.5	8.9-10.0	9.3-10.3	9.5-10.5	10.0-11.0	11.0-12.0	10-11	11.0-13.0
Density	g/cm3	5.6-6.0	5.6-6.0	5.6-6.0	5.6-6.0	5.6-6.0	5.6-6.0	5.8-6.2	5.8-6.1	5.8-6.1	5.8-6.2	5.8-6.1	5.8-6.1	5.8-6.2	6.0-6.2	6.1-6.3	6.0-6.3	6.1-6.4
Recoil Permeability	μH/M	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Temperature Coefficient of Br	%/℃	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.1	-0.12	-0.11	-0.1	-0.1	-0.1	-0.1	-0.1	-0.12	-0.12
Curie Temperature	℃	300	300	300	300	300	300	300	350	320	350	350	350	350	350	350	320	320
Max.Operating Temperature	℃	160	160	160	160	160	160	160	180	120	160	180	180	160	160	160	120	120