

Magnetic Properties of Flexible NdFeB Magnet

Material Grade			BNF-2	BNF-3	BNF-4	BNF05	BNF-6	BNF-7	BNF-8	BNF-2E	BNF-3E	BNF-4E	BNF-5E
Remanence	Br	kGs	2.5-3.5	3.3-4.3	3.8-4.8	4.3-5.3	4.8-5.8	5.3-6.3	5.7-6.7	2.5-3.5	3.5-4.5	4.5-5.5	5.5-6.5
		T	0.25-0.35	0.33-0.43	0.38-0.48	0.43-0.53	0.48-0.58	0.53-0.63	0.57-0.67	0.25-0.35	0.35-0.45	0.45-0.55	0.55-0.65
Coercive Force	Hc	kOe	1.5-2.5	2.1-3.1	2.7-3.7	3.2-4.2	3.7-4.7	4.3-5.3	4.5-5.5	1.5-2.5	2.1-3.1	2.5-3.5	2.5-3.5
		kA/m	120-200	170-250	210-300	250-340	290-380	340-420	350-440	120-200	170-250	200-280	200-280
	Hcj	kOe	2.0-4.0	4.8-6.8	6.8-8.8	7.8-9.8	8.0-10.0	8.5-11.0	8.5-11.0	2.0-4.0	3.5-4.5	4.5-5.5	4.5-5.5
		kA/m	150-320	380-540	540-700	620-780	630-800	670-880	670-880	150-320	280-440	350-440	350-440
Max. Energy Product	(BH)max	MGOe	1.5-2.5	2.5-3.5	3.5-4.5	4.5-5.5	5.5-6.5	6.5-7.5	7.5-8.5	1.5-2.5	2.5-3.5	3.5-4.5	4.5-5.5
		kJ/m ³	12-20	20-28	28-36	36-44	44-52	52-60	60-68	12-20	20-28	28-36	36-44
Rever. Temp. Coeff.	α (Br)	%/°C	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.16	-0.16	-0.16	-0.17
Irrev. Flux Loss		%	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Max. Working Temp.		°C	<120	<120	<120	<120	<120	<120	<120	<100	<100	<100	<100

Remark: 1.All the data listed in the table are measured as per standard IEC60404-5:1995