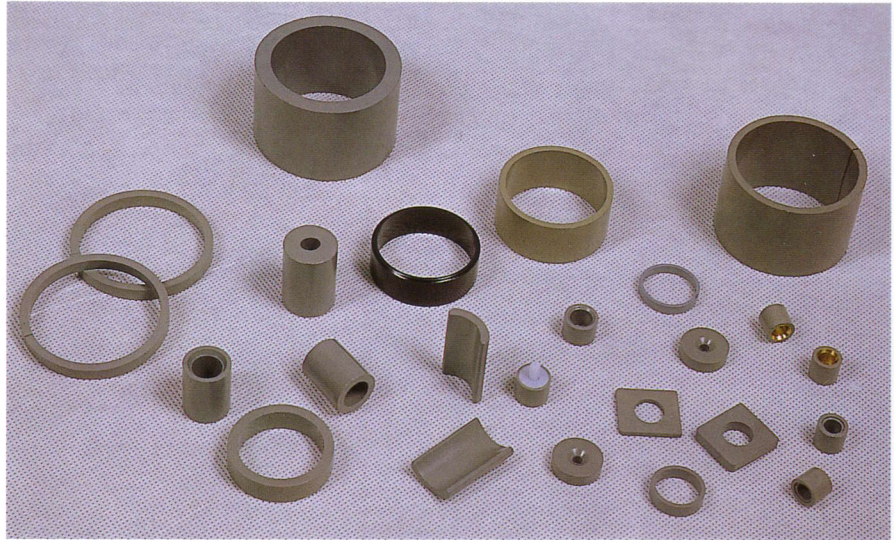


Bonded Nd-Fe-B Magnets

Pro-Perfect Magnetics produces full range of Bonded Nd-Fe-B Magnets in various shapes by Compression Moulding Process and Injection Moulding Process, they are widely used in electric motors, micro-motors, computers, OA appliances, instruments, loudspeakers, etc. By using MQP powder, *Pro-Perfect Magnetics* can assure customers satisfaction of quality.

By Injection Moulding Process, can easily make anisotropic (especially radial direction anisotropic) super-thin ring or square magnets in complex shapes.

Special magnetizing configurations available at request.



The magnetic characteristics of Compression Moulding Process Bonded Nd-Fe-B magnets (tested at 20°C):

Grade	Residual Induction (Br)		Coercive Force (Hcb)		Intrinsic Coercive Force (Hcj)		Max. Energy Product (BHmax)		Max. Work Temp.
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	
BNC-4	350 ~ 450	3.5 ~ 4.5	240 ~ 280	3.0 ~ 3.5	640 ~ 800	8.0 ~ 10.0	24 ~ 32	3.0 ~ 4.0	140°C
BNC-6	500 ~ 600	5.0 ~ 6.0	300 ~ 360	3.8 ~ 4.5	640 ~ 800	8.0 ~ 10.0	40 ~ 56	5.0 ~ 7.0	140°C
BNC-8	600 ~ 650	6.0 ~ 6.5	360 ~ 440	4.5 ~ 5.5	640 ~ 960	8.0 ~ 12.0	56 ~ 72	7.0 ~ 9.0	140°C
BNC-10	650 ~ 700	6.5 ~ 7.0	360 ~ 464	4.5 ~ 4.8	640 ~ 960	8.0 ~ 12.0	72 ~ 80	9.0 ~ 10.0	120°C
BNC-12	700 ~ 760	7.0 ~ 7.6	424 ~ 480	5.3 ~ 6.0	640 ~ 880	8.0 ~ 11.0	80 ~ 96	10.0 ~ 12.0	120°C
BNC-8H	550 ~ 620	5.5 ~ 6.2	400 ~ 480	5.0 ~ 6.0	960 ~ 1280	12.0 ~ 16.0	48 ~ 72	6.0 ~ 9.0	120°C

The magnetic characteristics of Injection Moulding Process Bonded Nd-Fe-B magnets (tested at 20°C):

Grade	Residual Induction (Br)		Coercive Force (Hcb)		Intrinsic Coercive Force (Hcj)		Max. Energy Product (BHmax)	
	mT	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe
BNI-2	200 ~ 400	2.0 ~ 4.0	120 ~ 240	1.5 ~ 3.0	560 ~ 720	7.0 ~ 9.0	6.4 ~ 24	0.8 ~ 3.0
BNI-4	400 ~ 490	4.0 ~ 4.9	247 ~ 310	3.1 ~ 3.9	573 ~ 732	7.2 ~ 9.2	28 ~ 36	3.5 ~ 4.5
BNI-6	490 ~ 570	4.9 ~ 5.7	312 ~ 382	3.9 ~ 4.8	637 ~ 796	8.0 ~ 10.0	42 ~ 56	5.2 ~ 7.0
BNI-8	570 ~ 630	5.7 ~ 6.3	382 ~ 430	4.8 ~ 5.4	676 ~ 835	8.5 ~ 10.5	59 ~ 67	7.4 ~ 8.4
BNI-6H	480 ~ 560	4.8 ~ 5.6	334 ~ 398	4.2 ~ 5.0	1035 ~ 1353	13.0 ~ 17.0	40 ~ 52	5.0 ~ 6.5