Magnetic Properties of Injection Bonded NdFeB Magnet

Material Grade			BNI-3	BNI-4	BNI-5	BNI-6	BNI-6H	BNI-7	BNI-5SR
Used Binder			Pa12	PA12	PA12	PA12	PA12	PA12	PPS
Used MQ Powder type			MQP-13-9R1	MQP-13-9R1	MQP-13-9R1	MQP-B2	MQP-C	MQP-B+	MQP-O & MQP-14-12
Remanence	Br	kGs	2.0--4.0	4.0--4.6	4.5--5.1	5.1--5.6	4.8--5.6	5.4--6.4	4.5--5.0
		mT	200--400	400--460	450--510	510--560	480--560	540--640	450--500
Coercive Force	Hc	kOe	1.5--3.0	3.1--4.2	3.5--4.5	3.7--4.7	4.2--5.0	4.0--5.0	3.8--4.5
		kA/m	120--240	250--335	280--360	295--375	335--400	320--400	300--360
	Hcj	kOe	6.0--8.0	7.2--9.2	8.0--10.0	8.0--10.0	13.0--17.0	8.0--10.0	11.0--14.0
		kA/m	480--640	575--735	640--800	640--800	1035--1355	640--800	875--1115
Max. Energy Product	(BH)max	MGOe	1.0--3.0	3.5--4.5	4.5--5.5	5.5--6.5	5.0--6.5	6.5--7.5	4.5--5.5
		kJ/m^3	8.0--24.0	28.0--36.0	36.0--44.0	44.0--52.0	40.0--52.0	52.0--60.0	36.0--44.0
Rever. Temp Coeff.	α(Br)	%/℃	-0.12	-0.12	-0.12	-0.11	-0.07	-0.11	-0.13
Max. Working Temp.	Tw	℃	<100	<100	<100	<100	<100	<100	<180
Curie Temp.	Tc	℃	300	300	300	330	350	350	350

Remark:
1)All the data listed in the table are measured as per standard IEC60404-5:1995
2)The information on used MQ powder are for reference only. We keep right of changing powder type with updated one.