

Magnetic Properties of Bonded Neodymium

Grade	Residual Induction Typical	Coercive Force Typical	Intrinsic Coercive Force Minimum	Max Energy Product Refer- ence	Max Operation Temperature	Temp Coefficient of Br
	Br	Hcb	Hcj	BH Max	Max Temp	α Br
	kGs	kOe	kOe	MGOe	°C	%/ °C
BNI3	3.0	2.3	7.0	2.0	100	-0.15
BNI4	4.3	3.7	8.2	4.0	110	-0.13
BNI5	5.0	4.0	9.0	5.1	120	-0.13
BNI5SR	4.8	4.2	12.5	5.0	150	-0.13
BNI6	5.4	4.2	9.0	6.0	120	-0.11
BNI6H	5.2	4.6	15.0	5.8	130	-0.15
BNI7	5.9	4.5	9.0	7.0	120	-0.11
BNP6	5.9	4.1	8.5	6.3	100	-0.13
BNP8L	6.2	4.8	9.5	7.5	110	-0.13
BNP8	6.6	5.2	9.0	8.5	120	-0.13
BNP8SR	6.4	5.5	12.5	8.5	150	-0.13
BNP8H	6.3	5.5	16.5	8.5	125	-0.07
BNP9	6.8	5.3	9.0	9.2	120	-0.12
BNP10	7.0	5.6	9.0	10.0	120	-0.11
BNP11	7.2	5.8	9.3	10.5	120	-0.11
BNP11L	7.2	5.3	7.3	10.2	110	-0.11
BNP12L	7.7	5.5	7.0	11.0	110	-0.08

All listed values are approximate and should be used as a reference only. Magnetic or physical characteristics should be verified before selecting a magnet material.

Magnetic Properties of Bonded Samarium Cobalt

Grade	Residual Induction Typical	Coercive Force Typical	Intrinsic Coercive Force Minimum	Max Energy Product Refer- ence	Max Operation Temperature	Temp Coefficient of Br
	Br	Hcb	Hcj	BH Max	Max Temp	α Br
	kGs	kOe	kOe	MGOe	°C	%/°C
BSC-4	4.0	3.5	10.0	4.0	120	-0.08
BSC-6	5.0	4.0	10.0	6.0	120	-0.08
BSC-8	6.0	4.5	10.0	8.0	120	-0.08
BSC-10	7.0	4.0	5.0	10.0	120	-0.08
BSC-10H	7.0	5.0	10.0	10.0	120	-0.08

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Magnetic Properties of Bonded Ceramic Magnets

Grade	Residual Induction Typical	Coercive Force Typical	Intrinsic Coercive Force Minimum	Max Energy Product Reference	Max Operation Temperature	Temp Coefficient of Br
	Br	Hcb	Hcj	BH Max	Max Temp	α_{Br}
	kGs	kOe	kOe	MGOe	°C	%/°C
BTZ0206	1.2	1.0	2.7	0.3	120	-0.19
BTZ0306	1.5	1.5	2.9	0.5	120	-0.19
BTZ0806	2.2	1.9	2.8	1.1	120	-0.19
BTZ1006	2.3	1.8	2.5	1.1	120	-0.19
BTZ1206	2.5	2.1	2.8	1.6	120	-0.19
BTZ1306	2.7	2.4	3.0	1.7	120	-0.19
BTZ1406	2.7	2.2	2.8	1.8	120	-0.19
BTZ1506	2.8	2.4	3.0	1.9	120	-0.19
BTZ1606	2.9	2.5	2.9	2.0	120	-0.19
BTZ3006	4.5	3.8	8.0	4.0	120	-0.19
BTZ4006	5.0	4.0	9.8	5.0	120	-0.19
BTZ12PPS	2.6	2.3	2.9	1.5	150	-0.19
BTZ13PPS	2.7	2.4	3.0	1.7	150	-0.19
BTZ0212	1.2	1.0	2.7	0.3	120	-0.19
BTZ0312	1.5	1.5	2.9	0.5	120	-0.19
BTZ0812	2.2	1.9	2.8	1.1	120	-0.19
BTZ1012	2.3	1.8	2.5	1.1	120	-0.19
BTZ1212	2.5	2.1	2.8	1.6	120	-0.19
BTZ1312	2.7	2.4	3.0	1.7	120	-0.19
BTZ1412	2.7	2.2	2.8	1.8	120	-0.19
BTZ1512	2.8	2.4	3.0	1.9	120	-0.19
BTZ1612	2.9	2.5	2.9	2.0	120	-0.19
BTZ3012	4.5	3.8	8.0	4.0	120	-0.19
BTZ4012	5.0	4.0	9.8	5.0	120	-0.19

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