

SINTERED NdFeB MAGNETS

Typical Magnetic Properties

Grade	Max. Energy Product		Remanence		Coercive Force				Rev. Temp. Coeff.		Curie Temp.	Working Temp.
	(BH) _{max}		B _r		H _c		H _{ci}		B _d	H _d	T _c	T _w
	MGOe	kJ/m ³	kG	mT	kOe	kA/m	kOe	kA/m	%/°C	%/°C	°C	°C
N33	31-33	251-268	11.50	1150	>10.5	>840	>12	>960	-0.12	-0.60	310	80
N35	33-36	268-293	11.90	1190	>10.9	>872	>12	>960	-0.12	-0.60	310	80
N38	36-39	293-317	12.30	1230	>11.3	>904	>12	>960	-0.12	-0.60	310	80
N40	38-41	309-333	12.70	1270	>11.6	>928	>12	>960	-0.12	-0.60	310	80
N42	40-43	325-349	13.00	1300	>11.6	>928	>12	>960	-0.12	-0.60	310	80
N45	43-46	349-374	13.50	1350	>11.0	>880	>12	>960	-0.12	-0.60	310	80
N48	46-49	374-398	14.00	1400	>10.5	>840	>12	>880	-0.12	-0.60	310	80
N50	47-51	374-406	14.20	1420	>10.5	>840	>12	>960	-0.12	-0.60	310	80
N33M	31-33	252-268	11.50	1150	>10.5	>840	>14	>1120	-0.12	-0.59	320	100
N35M	33-36	268-293	11.90	1190	>10.9	>872	>14	>1120	-0.12	-0.59	320	100
N38M	36-39	293-317	12.30	1230	>11.3	>904	>14	>1120	-0.12	-0.59	320	100
N40M	38-41	309-333	12.70	1270	>11.6	>928	>14	>1120	-0.12	-0.59	320	100
N42M	40-43	325-349	13.00	1300	>11.6	>928	>14	>1120	-0.12	-0.59	320	100
N45M	43-46	349-374	13.50	1350	>11.0	>880	>14	>1120	-0.12	-0.59	320	100
N33H	31-34	252-276	11.50	1150	>10.5	>840	>17	>1360	-0.11	-0.58	320-350	120
N35H	33-36	268-293	11.90	1190	>10.9	>872	>17	>1360	-0.11	-0.58	320-350	120
N38H	36-39	293-317	12.30	1230	>11.3	>904	>17	>1360	-0.11	-0.58	320-350	120
N40H	38-41	309-333	12.70	1270	>11.6	>928	>17	>1360	-0.11	-0.58	320-350	120
N42H	40-43	325-349	13.00	1300	>12.0	>960	>17	>1360	-0.11	-0.58	320-350	120
N44H	42-45	326-358	13.30	1330	>12.6	>1008	>17	>1360	-0.11	-0.58	320-350	120
N33SH	31-34	252-276	11.50	1150	>10.6	>848	>20	>1600	-0.11	-0.55	340-360	150
N35SH	33-36	268-293	11.90	1190	>11.0	>880	>20	>1600	-0.11	-0.55	340-360	150
N38SH	36-39	293-317	12.30	1230	>11.4	>912	>20	>1600	-0.11	-0.55	340-360	150
N40SH	38-41	309-333	12.70	1270	>11.8	>944	>20	>1600	-0.11	-0.55	340-360	150
N42SH	40-43	325-349	13.00	1300	>12.3	>984	>20	>1600	-0.11	-0.55	340-360	150
N28UH	26-29	211-236	10.60	1060	>9.6	>768	>25	>2000	-0.11	-0.51	350-380	180
N30UH	28-31	228-252	11.00	1100	>10.2	>816	>25	>2000	-0.11	-0.51	350-380	180
N33UH	31-34	252-276	11.50	1150	>10.7	>856	>25	>2000	-0.11	-0.51	350-380	180
N28EH	26-29	211-236	10.60	1060	>9.8	>784	>30	>2400	-0.11	-0.51	350-380	200
N30EH	28-31	228-252	11.00	1100	>10.2	>816	>30	>2400	-0.11	-0.51	350-380	200

Licensed Products by SSMC-MQ - ISO 9002 Quality Standard Certified
Special properties can be achieved with custom method.

Physical and Mechanical Properties

Thermal Conductivity	7.7 kcal/m-h-°C
Young's Modulus	1.7 x 10 ⁴ kg/mm ²
Bending Strength	24 kg/mm ²
Compressive Strength	80 kg/mm ²
Electrical Resistivity	160 μ-ohm-cm/cm ²
Density	7.4-7.5 g/cm ³
Vickers Hardness	500 - 600

Surface Treatments: Zinc, Copper+Nickel, Epoxy, Gold, Silver, Passivation, and custom coating available upon request.