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SINTERED NdFeB MAGNETS

Typical Magnetic Properties

Grade	Max. Energy Product		Remanence		Coercive Force				Rev. Temp. Coeff.		Curie Temp.	Max. 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
N27	25-29	199-231	10.50	1050	>10.0	>796	>12.0	>955	-0.12	-0.60	310	80
N30	28-31	223-247	11.00	1100	>10.2	>812	>12.0	>955	-0.12	-0.60	310	80
N33	31-33	247-263	11.50	1150	>10.5	>836	>12.0	>955	-0.12	-0.60	310	80
N35	33-36	263-287	12.00	1200	>10.9	>868	>12.0	>955	-0.12	-0.60	310	80
N38	36-39	287-310	12.40	1240	>11.3	>899	>12.0	>955	-0.12	-0.60	310	80
N40	38-41	302-326	12.70	1270	>11.4	>907	>12.0	>955	-0.12	-0.60	310	80
N42	40-43	318-342	13.00	1300	>11.5	>915	>12.0	>955	-0.12	-0.60	310	80
N45	43-46	342-366	13.50	1350	>11.6	>923	>12.0	>955	-0.12	-0.60	310	80
N48	46-49	366-390	14.00	1400	>11.6	>923	>12.0	>955	-0.12	-0.60	310	80
N50	48-51	382-406	14.30	1430	>10.3	>820	>12.0	>955	-0.12	-0.60	310	80
N52	50-53	398-422	14.50	1450	>10.3	>820	>11.0	>877	-0.12	-0.60	310	80
N30M	28-31	223-247	11.00	1100	>10.2	>812	>14.0	>1114	-0.12	-0.59	320	100
N33M	31-33	247-263	11.50	1150	>10.5	>836	>14.0	>1114	-0.12	-0.59	320	100
N35M	33-36	263-287	12.00	1200	>10.9	>868	>14.0	>1114	-0.12	-0.59	320	100
N38M	36-39	287-310	12.40	1240	>11.4	>907	>14.0	>1114	-0.12	-0.59	320	100
N40M	38-41	302-326	12.70	1270	>11.6	>923	>14.0	>1114	-0.12	-0.59	320	100
N42M	40-43	318-342	13.00	1300	>12.0	>955	>14.0	>1114	-0.12	-0.59	320	100
N45M	43-46	342-366	13.50	1350	>12.5	>995	>14.0	>1114	-0.12	-0.59	320	100
N48M	46-49	366-390	14.00	1400	>12.9	>1027	>14.0	>1114	-0.12	-0.59	320	100
N50M	48-51	382-406	14.30	1430	>13.1	>1043	>14.0	>1114	-0.11	-0.58	320-350	100
N30H	28-31	223-247	11.00	1100	>10.2	>812	>17.0	>1353	-0.11	-0.58	320-350	120
N33H	31-34	247-271	11.50	1150	>10.5	>836	>17.0	>1353	-0.11	-0.58	320-350	120
N35H	33-36	263-287	12.00	1200	>10.9	>868	>17.0	>1353	-0.11	-0.58	320-350	120
N38H	36-39	287-310	12.40	1240	>11.4	>907	>17.0	>1353	-0.11	-0.58	320-350	120
N40H	38-41	302-326	12.70	1270	>11.6	>923	>17.0	>1353	-0.11	-0.58	320-350	120
N42H	40-43	318-342	13.00	1300	>12.0	>955	>17.0	>1353	-0.11	-0.58	320-350	120
N45H	43-46	342-366	13.50	1350	>12.5	>999	>17.0	>1353	-0.11	-0.58	320-350	120
N48H	46-49	366-390	14.00	1400	>12.9	>1027	>17.0	>1353	-0.11	-0.55	340-360	120
N30SH	28-31	223-247	11.00	1100	>10.2	>812	>20.0	>1592	-0.11	-0.55	340-360	150
N33SH	31-34	247-271	11.50	1150	>10.6	>844	>20.0	>1592	-0.11	-0.55	340-360	150
N35SH	33-36	263-287	12.00	1200	>11.0	>876	>20.0	>1592	-0.11	-0.55	340-360	150
N38SH	36-39	287-310	12.40	1240	>11.4	>907	>20.0	>1592	-0.11	-0.55	340-360	150
N40SH	38-41	302-326	12.70	1270	>11.8	>939	>20.0	>1592	-0.11	-0.55	340-360	150
N42SH	40-43	318-342	13.00	1300	>12.4	>987	>20.0	>1592	-0.11	-0.55	340-360	150
N45SH	43-46	342-366	13.50	1350	>12.6	>1003	>20.0	>1592	-0.11	-0.51	350-380	150
N28UH	26-29	207-231	10.60	1060	>9.6	>764	>25.0	>1990	-0.11	-0.51	350-380	180
N30UH	28-31	223-247	11.00	1100	>10.2	>812	>25.0	>1990	-0.11	-0.51	350-380	180
N33UH	31-34	247-271	11.50	1150	>10.8	>860	>25.0	>1990	-0.11	-0.51	350-380	180
N35UH	33-36	263-287	12.00	1200	>11.3	>899	>25.0	>1990	-0.11	-0.51	350-380	180
N38UH	36-39	287-310	12.40	1240	>11.5	>915	>25.0	>1990	-0.11	-0.51	350-380	180
N40UH	38-41	302-326	12.70	1270	>11.8	>939	>25.0	>1990	-0.11	-0.51	350-380	180
N28EH	26-29	207-231	10.70	1070	>9.8	>780	>30.0	>2388	-0.11	-0.51	350-380	200
N30EH	28-31	223-247	11.10	1110	>10.2	>812	>30.0	>2388	-0.11	-0.51	350-380	200
N33EH	31-34	227-271	11.50	1150	>10.8	>860	>30.0	>2388	-0.11	-0.51	350-380	200
N35EH	33-36	263-287	12.00	1200	>11.1	>884	>30.0	>2388	-0.11	-0.51	350-380	200
N38EH	36-39	287-310	12.40	1240	>11.5	>915	>30.0	>2388	-0.11	-0.51	350-380	200
N28AH	26-29	207-231	10.70	1070	>9.8	>780	>35.0	>2786	-0.11	-0.51	350-380	220

N30AZ	28-31	223-247	11.10	1110	>10.2	>812	>35.0	>2786	-0.11	-0.51	350-380	220
N33AH	31-34	227-271	11.50	1150	>10.8	>860	>35.0	>2786	-0.11	-0.51	350-380	220
N35AH	33-36	263-287	12.00	1200	>11.1	>884	>35.0	>2786	-0.11	-0.51	350-380	220

Licensed Products by SSMC-MQ. ISO 9002 Quality Standard Certified.

Physical and Mechanical Properties

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

Surface Treatments: Nickel, Epoxy, Zinc, Gold, Silver, Parylene, Passivation, etc. Custom coating available upon request.