$Nd_2Fe_{14}B$

Neodym-Eisen-Bor Magnete

Neodym Magnets

	Remanenz Remanence		**Koerzitivfeldstärke** Coercive field strength				**Max. Energieprodukt** Energy product		**Temperatur-koeffizient** Temperature coefficient		**Max Arbeits-Temp.** Work-temp
	Br		HcB		HcJ		(BH)max		α(Br)	β(HcJ)	
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	°C
N35	1.17-1.22	11.7-12.2	≥860	≥ 10.8	≥955	≥12	263-287	33-36	-0.12	-0.750	80
N38	1.22-1.25	12.2-12.5	≥860	≥ 11.2	≥955	≥12	287-310	36-39	-0.12	-0.750	80
N40	1.25-1.28	12.5-12.8	≥860	≥ 11.5	≥955	≥12	302-326	38-41	-0.12	-0.750	80
N42	1.28-1.32	12.8-13.2	≥860	≥ 11.5	≥955	≥12	318-342	40-43	-0.12	-0.750	80
N45	1.32-1.37	13.2-13.7	≥860	≥ 11.0	≥955	≥12	342-366	43-46	-0.12	-0.750	80
N48	1.37-1.42	13.7-14.2	≥836	≥ 11.0	≥955	≥12	366-390	46-49	-0.12	-0.750	80
N50	1.39-1.44	13.9-14.4	≥836	≥ 10.5	≥955	≥12	376-408	47-51	-0.12	-0.750	80
N52	1.42-1.47	14.2-14.7	≥836	≥ 10.5	≥876	≥11	390-421	49-53	-0.12	-0.750	80
N54	1.45-1.50	14.5-15.0	≥836	≥ 10.5	≥876	≥11	406-438	51-55	-0.12	-0.750	80
N35M	1.17-1.22	11.7-12.2	≥868	≥ 10.9	≥1114	≥14	263-287	33-36	-0.11	-0.675	100
N38M	1.22-1.25	12.2-12.5	≥899	≥ 11.3	≥1114	≥14	287-310	36-39	-0.11	-0.675	100
N40M	1 .25-1 .28	12.5-12.8	≥923	≥ 11.6	≥1114	≥14	302-326	38-41	-0.11	-0.675	100
N42M	1.28-1.32	12.8-13.2	≥955	≥ 12.0	≥1114	≥14	318-342	40-43	-0.11	-0.675	100
N45M	1.32-1.38	13.2-13.8	≥971	≥ 12.2	≥1114	≥14	342-366	43-46	-0.11	-0.675	100
N48M	1.36-1.42	13.6-14.2	≥995	≥ 12.5	≥1114	≥14	360-392	46-49	-0.11	-0.675	100
N50M	1.39-1.44	13.9-14.4	≥1035	≥ 13.0	≥1114	≥14	376-406	47-51	-0.11	-0.675	100
N52M	1.42-1.47	14.2-14.7	≥1056	≥ 13.3	≥1114	≥14	390-422	49-53	-0.11	-0.675	100

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	Remanenz Remanence		**Koerzitivfeldstärke** Coercive field strength				**Max. Energieprodukt** Energy product		**Temperatur-koeffizient** Temperature coefficient		**Max Arbeits-Temp.** Work-temp
	Br		HcB		HcJ		(BH)max		α(Br)	β(HcJ)	
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	°C
N35H	1.17-1.22	11.7-12.2	≥868	≥ 10.9	≥1353	≥17	263-287	33-36	-0.11	-0.605	120
N38H	1.22-1.25	12.2-12.5	≥899	≥ 11.3	≥1353	≥17	287-310	36-39	-0.11	-0.605	120
N40H	1.25-1.28	12.5-1 2.8	≥923	≥ 11.6	≥1353	≥17	302-326	38-41	-0.11	-0.605	120
N42H	1.28-1.32	12.8-13.2	≥955	≥ 12.0	≥1353	≥17	318-342	40-43	-0.11	-0.605	120
N45H	1.32-1.37	13.2-13.7	≥971	≥ 12.2	≥1353	≥17	344-366	43-46	-0.11	-0.605	120
N48H	1.36-1.42	13.6-14.2	≥1011	≥ 12.7	≥1353	≥17	366-392	46-49	-0.11	-0.605	120
N50H	1.39-1.44	13.9-14.4	≥1035	≥ 13.0	≥1353	≥17	374-406	47-51	-0.11	-0.605	120
N52H	1.42-1.47	14.2-14.7	≥1035	≥ 13.0	≥1353	≥17	390-422	49-53	-0.11	-0.605	120
N33SH	1.13 -1.17	11.3-11.7	≥844	≥ 10.6	≥1592	≥20	247-272	31-34	-0.11	-0.535	150
N35SH	1.17-1.22	11.7-12.2	≥876	≥ 11.0	≥1592	≥20	263-287	33-36	-0.11	-0.535	150
N38SH	1.22-1.25	12.2-12.5	≥907	≥ 11.4	≥1592	≥20	287-310	36-39	-0.11	-0.535	150
N40SH	1.25-1.28	12.5-12.8	≥939	≥ 11.8	≥1592	≥20	302-326	38-41	-0.11	-0.535	150
N42SH	1.28-1.32	12.8-13.2	≥955	≥ 12.0	≥1592	≥20	318-342	40-43	-0.11	-0.535	150
N45SH	1.32-1.37	13.2-13.7	≥979	≥ 12.3	≥1592	≥20	342-366	43-46	-0.11	-0.535	150
N48SH	1.36-1.42	13.6-14.2	≥995	≥ 12.5	≥1592	≥20	366-390	45-49	-0.11	-0.535	150
N50SH	1.39-1.45	13.9-14.5	≥995	≥ 12.5	≥1592	≥20	374-406	45-49	-0.11	-0.535	150
N52SH	1.42-1.47	14.2-14.7	≥995	≥ 12.5	≥1592	≥20	390-422	49-53	-0.11	-0.535	150

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	Remanenz Remanence		**Koerzitivfeldstärke** Coercive field strength				**Max. Energieprodukt** Energy product		**Temperatur-koeffizient** Temperature coefficient		**Max Arbeits-Temp.** Work-temp
	Br		HcB		HcJ		(BH)max		α(Br)	β(HcJ)	
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	°C
N30UH	1.08-1.13	10.8-11.3	≥812	≥ 10.2	≥1990	≥25	223-247	28-31	-0.10	-0.465	180
N33UH	1.13-1.17	11.3-11.7	≥852	≥ 10.7	≥1990	≥25	247-271	31-34	-0.10	-0.465	180
N35UH	1.17-1.22	11.7-12.2	≥860	≥ 10.8	≥1990	≥25	263-287	33-36	-0.10	-0.465	180
N38UH	1.22-1.25	12.2-12.5	≥876	≥ 11.0	≥1990	≥25	287-310	36-39	-0.10	-0.465	180
N40UH	1.25-1.28	12.5-12.8	≥915	≥ 11.5	≥1990	≥25	302-326	38-41	-0.10	-0.465	180
N42UH	1.27-1.32	12.7-13.2	≥955	≥ 12.0	≥1990	≥25	318-342	40-43	-0.10	-0.465	180
N45UH	1.32-1.37	13.2-13.7	≥995	≥ 12.5	≥1990	≥25	342-366	43-46	-0.10	-0.465	180
N48UH	1.37-1.43	13.7-14.3	≥995	≥ 12.5	≥1990	≥25	366-390	46-49	-0.10	-0.465	180
N50UH	1.39-1.45	13.9-14.5	≥995	≥ 12.5	≥1990	≥25	374-406	47-51	-0.10	-0.465	180
N30EH	1.08-1.13	10.8-11.3	≥812	≥ 10.2	≥2388	≥30	223-247	28-31	-0.10	-0.420	200
N33EH	1.13-1.17	11.3-11.7	≥820	≥ 10.3	≥2388	≥30	248-272	31-34	-0.10	-0.420	200
N35EH	1.17-1.22	11.7-12.2	≥836	≥ 10.5	≥2388	≥30	263-287	33-36	-0.10	-0.420	200
N38EH	1.20-1.25	12.0-12.5	≥899	≥ 11.3	≥2388	≥30	287-310	36-39	-0.10	-0.420	200
N40EH	1.25-1.28	12.5-12.8	≥915	≥ 11.5	≥2388	≥30	302-326	38-41	-0.10	-0.420	200
N42EH	1.27-1.32	12.7-13.2	≥971	≥ 12.2	≥2388	≥30	318-342	40-43	-0.10	-0.420	200
N45EH	1.33-1.38	13.3-13.8	≥971	≥ 12.2	≥2388	≥30	342-366	43-46	-0.10	-0.420	200

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	Remanenz Remanence		**Koerzitivfeldstärke** Coercive field strength				**Max. Energieprodukt** Energy product		**Temperatur-koeffizient** Temperature coefficient		**Max Arbeits-Temp.** Work-temp
	Br		HcB		HcJ		(BH)max		α(Br)	β(HcJ)	
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	°C
N28AH	1.05-1.09	10.5-10.9	≥780	≥ 9.8	≥2706	≥34	207-230	26-29	-0.10	-0 . 393	220
N30AH	1.10-1.14	11.0-11.4	≥812	≥ 10.2	≥2706	≥34	223-247	28-31	-0.10	-0 . 393	220
N33AH	1.14-1.17	11.4-11.7	≥812	≥ 10.2	≥2706	≥34	247-271	31-34	-0.10	-0 . 393	220
N35AH	1.17-1.22	11.7-12.2	≥833	≥ 11.1	≥2706	≥34	263-287	33-36	-0.10	-0 . 393	220
N38AH	1.20-1.25	12.0-12.5	≥923	≥ 11.6	≥2706	≥34	287-310	36-39	-0.10	-0 . 393	220
N40AH	1.25-1.30	12.5-13.0	≥923	≥ 11.6	≥2706	≥34	302-326	38-41	-0.10	-0 . 393	220
N42AH	1.28-1.34	12.8-13.4	≥923	≥ 11.6	≥2706	≥34	318-342	40-43	-0.10	-0 . 393	220
N28VH	1.02-1.09	10.2-10.9	≥780	≥ 9.8	≥3104	≥39	207-230	26-29	-0.10	-0 . 393	250
N30VH	1.08-1.14	10.8-11.4	≥812	≥ 10.2	≥3104	≥39	223-247	28-31	-0.10	-0 . 393	250
N33VH	1.13-1.18	11.3-11.8	≥812	≥ 10.2	≥3104	≥39	247-271	31-34	-0.10	-0 . 393	250
N35VH	1.17-1.22	11.7-12.2	≥883	≥ 11.1	≥3104	≥39	263-287	33-36	-0.10	-0 . 393	250
N38VH	1.22-1.27	12.2-12.7	≥923	≥ 11.6	≥3104	≥39	287-310	36-39	-0.10	-0 . 393	250

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