

Eigenschaften unserer gesinterten NdFeB-Magnete

Properties of our sintered NdFeB magnets

Typ	Br mT	HcB (kA/m)	Hcl (kA/m)	(BH) max (kJ/m³)	Arbeitstemp. (°C)
N35	1170 - 1220 (11.7 - 12.2)	≥868 (≥ 10.9)	≥955 (≥ 12)	263-287 (33-36)	80°C
N38	1220 - 1250 (12.2 - 12.5)	≥899 (≥ 11.3)	≥955 (≥ 12)	287-310 (36-39)	80°C
N40	1250 - 1280 (12.5 - 12.8)	≥907 (≥ 11.4)	≥955 (≥ 12)	302-326 (38-41)	80°C
N42	1280 - 1320 (12.8 - 13.2)	≥915 (≥ 11.5)	≥955 (≥ 12)	318-342 (40-43)	80°C
N45	1320 - 1380 (13.2 - 13.8)	≥923 (≥ 11.6)	≥955 (≥ 12)	342-366 (43-46)	80°C
N48	1380 - 1420 (13.8 - 14.2)	≥923 (≥ 11.6)	≥955 (≥ 12)	366-390 (46-49)	80°C
N50	1400 - 1450 (14.0 - 14.5)	≥796 (≥ 10.0)	≥876 (≥ 11)	382-406 (48-51)	60°C
N52	1430 - 1480 (14.3 - 14.8)	≥796 (≥ 10.0)	≥876 (≥ 11)	398-422 (50-53)	60°C
35M	1170 - 1220 (11.7 - 12.2)	≥868 (≥ 10.9)	≥1114 (≥ 14)	263-287 (33-36)	100°C
38M	1220 - 1250 (12.2 - 12.5)	≥899 (≥ 11.3)	≥1114 (≥ 14)	287-310 (36-39)	100°C
40M	1250 - 1280 (12.5 - 12.8)	≥923 (≥ 11.6)	≥1114 (≥ 14)	302-326 (38-40)	100°C
42M	1280 - 1320 (12.8 - 13.2)	≥955 (≥ 12.0)	≥1114 (≥ 14)	318-342 (40-43)	100°C
45M	1320 - 1380 (13.2 - 13.8)	≥955 (≥ 12.5)	≥1114 (≥ 14)	342-366 (43-46)	100°C
48M	1360 - 1430 (13.6 - 14.3)	≥1027 (≥ 12.9)	≥1114 (≥ 14)	366-390 (46-49)	100°C
50M	1400 - 1450 (14.0 - 14.5)	≥1033 (≥ 13.0)	≥1114 (≥ 14)	382-406 (48-51)	100°C
35H	1170 - 1220 (11.7 - 12.2)	≥868 (≥ 10.9)	≥1353 (≥ 17)	263-287 (33-36)	120°C
38H	1220 - 1250 (12.2 - 12.5)	≥899 (≥ 11.3)	≥1353 (≥ 17)	287-310 (36-39)	120°C
40H	1250 - 1280 (12.5 - 12.8)	≥923 (≥ 11.6)	≥1353 (≥ 17)	302-326 (38-40)	120°C
42H	1280 - 1320 (12.8 - 13.2)	≥955 (≥ 12.0)	≥1353 (≥ 17)	318-342 (40-43)	120°C
45H	1300 - 1360 (13.0 - 13.6)	≥963 (≥ 12.1)	≥1353 (≥ 17)	326-358 (43-46)	120°C
48H	1370 - 1430 (13.7 - 14.3)	≥955 (≥ 12.5)	≥1353 (≥ 17)	366-390 (46-49)	120°C

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Typ	Br mT	HcB (kA/m)	Hcl (kA/m)	(BH) max (kJ/m ³)	Arbeitstemp. (°C)
30SH	1080 - 1130 (10.8 - 11.3)	≥804 (≥ 10.1)	≥1592 (≥ 20)	233-247 (28-31)	150°C
33SH	1130 - 1170 (11.3 - 11.7)	≥844 (≥ 10.6)	≥1592 (≥ 20)	247-271 (31-34)	150°C
35SH	1170 - 1220 (11.7 - 12.2)	≥876 (≥ 11.0)	≥1592 (≥ 20)	263-287 (33-36)	150°C
38SH	1220 - 1250 (12.2 - 12.5)	≥907 (≥ 11.4)	≥1592 (≥ 20)	287-310 (36-39)	150°C
40SH	1240 - 1280 (12.5 - 12.8)	≥939 (≥ 11.8)	≥1592 (≥ 20)	302-326 (38-41)	150°C
42SH	1280 - 1320 (12.8 - 13.2)	≥987 (≥ 12.4)	≥1592 (≥ 20)	318-342 (40-43)	150°C
45SH	1320 - 1380 (13.2 - 13.8)	≥1003 (≥ 12.6)	≥1592 (≥ 20)	342-366 (43-46)	150°C
30UH	1080 - 1130 (10.8 - 11.3)	≥812 (≥ 10.2)	≥1990 (≥ 25)	223-247 (28-31)	180°C
33UH	1130 - 1170 (11.3 - 11.7)	≥852 (≥ 10.7)	≥1990 (≥ 25)	247-271 (31-34)	180°C
35UH	1180 - 1220 (11.8 - 12.2)	≥860 (≥ 10.8)	≥1990 (≥ 25)	263-287 (33-36)	180°C
38UH	1220 - 1250 (12.2 - 12.5)	≥876 (≥ 11.0)	≥1990 (≥ 25)	287-310 (36-39)	180°C
40UH	1240 - 1280 (12.5 - 12.8)	≥899 (≥ 11.3)	≥1990 (≥ 25)	302-326 (38-41)	180°C
28EH	1040 - 1090 (10.4 - 10.9)	≥780 (≥ 9.8)	≥2388 (≥ 30)	207-231 (26-29)	200°C
30EH	1080 - 1130 (10.8 - 11.3)	≥812 (≥ 10.2)	≥2388 (≥ 30)	223-247 (28-31)	200°C
33EH	1130 - 1170 (11.3 - 11.7)	≥836 (≥ 10.5)	≥2388 (≥ 30)	247-271 (31-34)	200°C
35EH	1170 - 1220 (11.7 - 12.2)	≥876 (≥ 11.0)	≥2388 (≥ 30)	263-287 (33-36)	200°C
38EH	1220 - 1250 (12.2 - 12.5)	≥899 (≥ 11.3)	≥2388 (≥ 30)	287-310 (36-39)	200°C
40EH	1240 - 1280 (12.5 - 12.8)	≥939 (≥ 11.6)	≥2388 (≥ 30)	302-326 (38-41)	200°C
30AH	1080 - 1120 (10.8 - 11.2)	≥804 (≥ 10.1)	≥2786 (≥ 35)	223-239 (28-30)	220°C
33SH	1140 - 1170 (11.4 - 11.7)	≥844 (≥ 10.6)	≥2786 (≥ 35)	247-263 (31-33)	220°C
35AH	1170 - 1210 (11.7 - 12.1)	≥876 (≥ 10.9)	≥2786 (≥ 35)	263-279 (33-35)	220°C