



YUNSHENG  
DEUTSCHLAND

### Magnetic properties of sintered Nd-Fe-B permanent magnets at room temperature (20 °C)

		Magnetic Properties								
No.	Material	B <sub>r</sub>		H <sub>cJ,min</sub>		H <sub>cB,min</sub>		(BH) <sub>max</sub>		T <sub>max</sub> (°C)
	Grade	T	kG	kA/m	kOe	kA/m	kOe	kJ/m <sup>3</sup>	MGOe	
1.	G55H	1.47 - 1.52	14.70 - 15.25	1353	17	1106	13.9	414 - 446	52 - 56	120 °C
2.	G57H	1.49 - 1.55	14.95 - 15.50	1353	17	1122	14.1	430 - 462	54 - 58	110 °C
3.	G55SH	1.47 - 1.52	14.70 - 15.25	1592	20	1106	13.9	414 - 446	52 - 56	140 °C
4.	G48UH	1.36 - 1.42	13.65 - 14.25	1990	25	1027	12.9	358 - 390	45 - 49	180 °C
5.	G50UH	1.39 - 1.45	13.95 - 14.55	1990	25	1051	13.2	374 - 406	47 - 51	180 °C
6.	G52UH	1.42 - 1.48	14.25 - 14.80	1990	25	1067	13.4	390 - 422	49 - 53	180 °C
7.	G54UH	1.45 - 1.51	14.55 - 15.10	1990	25	1090	13.7	406 - 438	51 - 55	170 °C
8.	G45EH	1.32 - 1.38	13.20 - 13.80	2388	30	995	12.5	334 - 366	42 - 46	200 °C
9.	G48EH	1.36 - 1.42	13.65 - 14.25	2388	30	1027	12.9	358 - 390	45 - 49	200 °C
10.	G50EH	1.39 - 1.45	13.95 - 14.55	2388	30	1051	13.2	374 - 406	47 - 51	190 °C
11.	G40TH	1.24 - 1.30	12.40 - 13.05	2786	35	947	11.9	295 - 326	37 - 41	240 °C
12.	G42TH	1.27 - 1.33	12.70 - 13.35	2786	35	963	12.1	310 - 342	39 - 43	240 °C
13.	G45TH	1.32 - 1.38	13.20 - 13.80	2786	35	995	12.5	334 - 366	42 - 46	230 °C

Note: G refers to the grain boundary diffusion – GBD material grades.