Magnetic Properties of Double Alloy Magnets

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Magnetic properties of sintered Nd-Fe-B permanent magnets at room temperature (20°C)
Double Alloy Process (Heavy Rare Earth Elements 1-2% lower）

No.	Material	B_r		$H_{cJ,min}$		$H_{cB,min}$		$(BH)_{max}$		T_{max} (°C)
	Grade	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	
1	50SH	1.39 - 1.44	13.9 - 14.4	1592	20	1043	13,1	366 - 398	46 - 50	150°C
2	52SH	1.42- 1.47	14.2 - 14.7	1512	19	1075	13,5	382 - 414	48 - 52	150°C
3	42UH	1.29 - 1.33	12.9 - 13.3	1990	25	971	12,2	318 - 342	40 - 43	180°C
4	45UH	1.33 - 1.38	13.3 - 13.8	1910	24	1003	12,6	338 - 366	42.5 - 46	180°C
5	40EH	1.25 - 1.30	12.5 - 13.0	2388	30	947	11,9	302 - 326	38 - 41	200°C
6	42EH	1.28 - 1.33	12.8 - 13.3	2308	29	971	12,2	318 - 342	40 - 43	200°C
7	35TH	1.18 - 1.22	11.8 - 12.2	2786	35	891	11,2	267 - 291	33.5 – 36.5	240°C
8	38TH	1.22 - 1.27	12.2 - 12.7	2786	35	931	11,7	287 - 310	36 - 39	240°C