

Magnetic Properties of Double Alloy Magnet



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

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/m^3	MGOe	
1	52SH	1.42 - 1.47	14.2 - 14.7	1512	19	1035	13	390 - 422	49 - 53	150 °C
2	45UH	1.33 - 1.38	13.3 - 13.8	1910	24	1003	12,6	342 - 366	43 - 46	180 °C
3	42EH	1.28 - 1.33	12.8 - 13.3	2308	29	971	12,2	318 - 342	40 - 43	200 °C
4	38AH	1.22 - 1.27	12.2 - 12.7	2706	34	923	11,6	287 - 310	36 - 39	240 °C