MAGNET MATERIAL CHARACTERISTICS

Cast Alnico Magnets

Material & Grade	Max. Energy Product (BH) max		Remanence B_r		Coercive Force H_c		Coercive Force H_{ci}		Rev. Temp. Coeff. B_r	Rev. Temp. Coeff. H_{Ci}	Curie Temp. T_c	Working Temp. T_w	Density D
	MGOe	kJ/m^3	kG	mT	Oe	kA/m	Oe	kA/m	% / °C	% / °C	°C	°C	g/cm^3
Alnico 2	1.6	12.8	7.0	700	580	47	600	48	-0.03	-0.02	810	450	7.0
Alnico 3	1.2	10.0	6.0	600	480	38	500	40	-0.03	-0.02	810	450	6.9
Alnico 5	5.0	40.0	12.5	1250	640	51	640	51	-0.02	-0.02	860	525	7.3
Alnico 5DG	6.5	52.0	13.0	1300	680	55	700	56	-0.02	-0.02	860	525	7.3
Alnico 5-7	7.5	60.0	13.5	1350	740	59	740	59	-0.02	-0.02	860	525	7.3
Alnico 6	3.5	28.0	10.0	1000	720	58	720	58	-0.02	-0.03	860	525	7.3
Alnico 8	5.0	40.0	8.0	800	1480	119	1500	120	-0.025	-0.02	860	550	7.3
Alnico 8B	5.5	44.0	8.5	850	1550	124	1550	124	-0.025	-0.02	860	550	7.3
Alnico 8HE	6.0	48.0	9.0	900	1500	120	1500	120	-0.025	-0.02	860	550	7.3
Alnico 8HC	4.5	36.0	7.0	700	1880	151	1900	152	-0.025	-0.02	860	550	7.3
Alnico 9	9.0	72.0	10.5	1050	1400	112	1400	112	-0.025	-0.02	860	550	7.3

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