



Typical Magnetic Properties of Bonded Magnets

Item	Grade	Remanence		Coercivity				Max Energy Product		Max Working Temperature	Density
		B_r		H_{cB}		H_{cJ}		$(BH)_{max}$		T _w Max	ρ
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	° C	g/cm³
Compression Molded NdFeB Magnet	KBM-2	0.30-0.40	3.0-4.0	160-240	2.0-3.0	480-640	6.0-8.0	16-24	2.0-3.0	≤120	4.5-6.0
	KBM-4	0.40-0.50	4.0-5.0	240-320	3.0-4.0	560-720	7.0-9.0	32-44	4.0-5.5	≤120	5.2-6.0
	KBM-6	0.50-0.60	5.0-6.0	320-400	4.0-5.0	480-640	6.0-8.0	48-60	6.0-7.5	≤120	5.5-6.0
	KBM-8	0.60-0.68	6.0-6.8	360-440	4.5-5.5	640-800	8.0-10.0	64-72	8.0-9.0	≤150	5.8-6.1
	KBM-8H	0.60-0.65	6.0-6.5	400-480	5.0-6.0	1120-1280	14.0-16.0	60-68	7.5-8.5	≤160	5.8-6.2
	KBM-8L	0.65-0.68	6.5-6.8	400-480	5.0-6.0	900-1120	11.0-14.0	64-72	8.0-9.0	≤160	5.8-6.2
	KBM-9	0.60-0.68	6.0-6.8	400-480	5.0-6.0	640-800	8.0-10.0	68-72	8.5-9.0	≤150	5.8-6.2
	KBM-10	0.68-0.73	6.8-7.3	400-480	5.0-6.0	640-800	8.0-10.0	76-84	9.5-10.5	≤150	5.8-6.2
	KBM-12	0.71-0.75	7.1-7.5	440-520	5.5-6.5	720-800	9.0-10.0	84-96	10.5-12.0	≤150	6.0-6.2
	KBM-12L	0.72-0.76	7.2-7.6	400-480	5.0-6.0	480-640	6.0-8.0	84-96	10.5-12.0	≤140	6.0-6.2
Injection Molded NdFeB Magnet	KBI-3	0.20-0.30	2.0-3.0	160-240	2.0-3.0	480-640	6.0-8.0	12-24	1.5-3.0	≤100	3.9-4.4
	KBI-4	0.35-0.45	3.5-4.5	240-320	3.0-4.0	560-720	7.0-9.0	24-36	3.0-4.5	≤120	4.2-4.9
	KBI-5	0.45-0.52	4.5-5.2	320-360	4.0-4.5	560-720	7.0-9.0	36-44	4.5-5.5	≤120	4.5-5.0
	KBI-5H(PPS)	0.48-0.52	4.8-5.2	400-480	5.0-6.0	880-1040	11.0-13.0	36-44	4.5-5.5	≤150	4.9-5.4
	KBI-6	0.50-0.55	5.0-5.5	320-440	4.0-5.5	640-800	8.0-10.0	44-52	5.5-6.5	≤120	4.7-5.1
	KBI-7	0.54-0.64	5.4-6.4	320-400	4.0-5.0	640-800	8.0-10.0	52-60	6.5-7.5	≤120	5.0-5.5
	KBI-8	0.64-0.74	6.4-7.4	400-480	5.0-6.0	640-800	8.0-10.0	68-76	8.5-9.5	≤120	5.5-5.9
Injection Molded Ferrite Magnet	KBI-F1.5	0.22-0.24	2.2-2.4	160-167	2.00-2.10	231-240	2.90-3.00	11.6-12.4	1.45-1.55	≤120	3.25
	KBI-F1.9	0.27-0.29	2.7-2.9	180-186	2.25-2.33	216-228	2.70-2.85	14.8-15.6	1.85-1.95	≤120	3.63
	KBI-F2.0	0.28-0.29	2.8-2.9	184-200	2.30-2.50	216-246	2.70-3.10	15.6-16.4	1.95-2.05	≤120	3.7
	KBI-F2.1	0.28-0.29	2.8-2.9	190-204	2.38-2.55	224-249	2.80-3.12	16.4-17.2	2.05-2.15	≤120	3.75
	KBI--F1.7(PPS)	0.25-0.26	2.5-2.6	167-175	2.10-2.20	208-216	2.60-2.70	13.6-14.0	1.70-1.75	≤160	3.65