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Magnetic Properties of Sintered Ferrite Magnets for Motor--Chinese Standard

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force Hcj		Maximum Energy (BH)max		Density
	Gs	mT	KOe	KA/m	KOe	KA/m	MGOe	KJ/m³	g/cm³
FM-4B	4000±100	400±10	3250±150	259±12	3350±150	267±12	3.7±0.2	29.6±1.6	4.8-5.0
FM-4H	3800±100	380±10	3550±150	283±12	4000±150	319±12	3.7±0.2	29.6±1.6	4.8-5.0
FM-4N	4250±100	425±10	2800±150	223±12	2850±150	227±12	3.9±0.2	31.2±1.6	4.8-5.0
FM-5B	4150±100	415±10	3250±150	259±12	3350±150	267±12	3.8±0.2	30.4±1.6	4.8-5.0
FM-5H	3800±100	380±10	3450±150	275±12	4500±150	358±12	3.4±0.2	27.2±1.6	4.8-5.0
FM-6B	4200±100	420±10	3650±150	291±12	3850±150	307±12	4.1±0.2	32.8±1.6	4.9-5.1
FM-6H	3850±100	385±10	3600±150	287±12	4850±150	386±12	3.6±0.2	28.8±1.6	4.9-5.1
FM-7B	4300±100	430±10	3650±150	291±12	3850±150	307±12	4.2±0.3	33.6±2.4	4.9-5.1
FM-7H	4200±100	420±10	3800±150	303±12	4400±150	350±12	4.2±0.3	33.6±2.4	4.9-5.1
FM-9B	4300±100	430±10	3900±150	311±12	4300±150	342±12	4.4±0.2	35.2±1.6	4.9-5.1
FM-9H	4100±150	410±15	3950±150	315±12	5200±150	414±12	4.5±0.2	36.0±1.6	4.9-5.1
FM-12B	4550±150	455±15	4050±150	323±12	4550±150	362±12	4.7±0.2	37.6±1.6	4.9-5.1
FM-12H	4300±150	430±15	4000±150	319±12	5200±150	414±12	4.6±0.2	36.8±1.6	4.9-5.1

Note:

1. The data mentioned above of magnetic performance and physical properties are given at room temperature 20℃.
2. Curie temperature and temperature coefficient are for reference only, but not as an inspection items.
3. The max working temperature is changeable due to length-diameter ratio, coating thickness and environment factors.