

杭州科德磁业有限公司

HANGZHOU KEDE MAGNETICS COMPONENTS CO., LTD.

中国浙江省杭州市桐庐县樟青塘路168号, 邮编: 311500

No.168 Zhangqingtang Road, Tonglu, Hangzhou 311500, China.

电话/tel: +86 571 64242689 传真/fax: +86 571 64242687, 电子邮件/email: info@kedemagnetics.com



Typical Magnetic Properties of Other Magnets (其他磁铁典型磁性能表)

Item	Remanence induction		Coercive force		Intrinsic Coercive force		Maximum Energy product		Working Temperature	Density	Temperature Coefficient of Br	Temperature Coefficient of Hcj	Remark
	Br		HcB		HcJ		(BH) _{max}		Tw	ρ	α (Br)	α (Hcj)	
	T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	°C	g/cm ³	%/K	%/°C	
CuNiFe	0.54	5.4	43	0.54	44	0.55	12	1.5	200	8.6	-0.07	-0.04	Isotropic
FeCoW	0.95	9.5	17	0.22	17	0.23	5.6	0.9	400	8.2	-0.02	-0.03	
CoFeNi	1.3	13	3.2	0.04	3.2	0.04	2.5	0.3	400	8.1	/	/	
Injection SmCo	0.5-0.6	5.0-6.0	334-398	4.2-5.0	≥796	≥10	47.8-63.7	6.0-8.0	/	/	/	/	Anisotropic

Material	Grade	Remanence induction		Coercive force		Intrinsic Coercive force		Maximum Energy product		α (Br)	B (Hcj)	Density	Flexural Strength
		Br		Hcb		Hcj		(BH) _{max}		%/K	%/K	ρ	MPa
		T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe			g/cm ³	
SmFeN+Ferrite	HSFB30a	0.37	3.72	213	2.67	336	4.22	25.5	3.20	-0.13	-0.35	3.61	98
	HSFB40a	0.45	4.48	220	2.76	398	5.00	32.4	4.07	-0.09	-0.48	3.70	91
	HSFB50a	0.48	4.82	270	3.39	423	5.32	40.6	5.10	-0.08	-0.48	3.79	89
SmFeN	HSB60a	0.52	5.21	349	4.39	576	7.23	50.3	6.32	-0.07	-0.48	3.62	92
	HSB70a	0.57	5.67	363	4.57	554	6.96	57.9	7.27	-0.08	-0.48	3.88	91
	HSB80a	0.60	6.02	371	4.66	525	6.60	64.7	8.13	-0.08	-0.48	4.11	91
	HSB90a	0.64	6.39	400	5.02	550	6.91	75.2	9.45	-0.08	-0.48	4.33	88
NdFeB+SmFeN	HSNB100a	0.69	6.89	408	5.12	701	8.81	82	10.30	-0.10	-0.57	4.45	99
	HSNB120a	0.78	7.81	454	5.70	812	10.20	99.3	12.47	-0.10	-0.57	4.95	91