

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



Datasheet of Soft Magnetic Materials at Room Temperature (软磁材料的磁性能 (室温))

铁钴钒软磁合金FeCoV Soft Magnetic Alloy								
牌号 Grade	半成品种类 Intermediate species	磁感应强度Magnetic induction						矫顽力Coercive
		B400	B800	B1600	B2400	B4000	B8000	Hc
		T(Min)						A/m(Max)
1J21	冷轧带材 Cold rolled strip	1.85	2.10	2.20	2.23	2.25	2.30	60
1J22	冷轧带材 Cold rolled strip	1.70	2.00	2.10	2.15	2.20	2.25	110
	冷拉丝材 Cold draw wire							
	热轧扁材 Hot rolled bar 热轧(锻)棒材 Hot rolled rod	1.60	1.70	1.90	2.05	2.15	2.20	140
铁钴镍钒磁滞合金FeCoNiV Magnetic Hysteresis Alloy								
牌号 Grade	最大磁导率点对应的磁场强度/H _μ	最大磁导率点对应的磁通密度/B _μ		比磁滞损耗P _μ		凸起系数K _μ		
	(kA/m)	T		(kJ/m ³)		—		
2J4	3.98~5.17	1.3~1.6		≥15.0		≥0.62		

牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径 Thickness/Diameter	U _{0.4}	Um	Hc	Bs	
			mm	mH/m(Min)		A/m(Max)	T(Min)	
1J50	冷轧带材 Cold rolled strip	I	0.040~0.049	2.2	30.0	25.0	1.50	
			0.05~0.09	2.5	38.0	16.0		
			0.10~0.19	2.9	40.0	14.4		
			0.20~0.34	3.5	50.0	11.2		
			0.35~0.50	4.0	62.5	9.6		
			0.51~1.00	3.8	62.5	9.6		
			1.10~2.00	3.6	56.3	9.6		
		2.10~3.00	3.5	56.3	9.6			
		II	0.10~0.19	3.8	43.8	12.0		1.50
			0.20~0.34	4.4	56.3	10.4		
	0.35~0.50		5.0	65.0	8.8			
	0.51~1.00		5.0	55.0	9.0			
	1.10~2.00		4.0	48.0	9.2			
	III	0.05~0.20	12.5	75.0	4.8	1.52		
		热轧（锻）扁材 Hot rolled bar	—	3~30	3.1	31.3	14.4	1.50
	热轧（锻）棒材 Hot rolled rod	—	8~150	3.1	31.3	14.4	1.50	

牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径 Thickness/Diameter	U _{0.4}	Um	Hc	Bs
			mm	mH/m(Min)		A/m(Max)	T(Min)
1J79	冷轧带材 Cold rolled strip	I	0.005	12.5	44.0	6.4	0.75
			0.01	17.5	87.5	4.8	
			0.02~0.04	20.0	112.5	4.0	
			0.05~0.09	22.5	137.5	2.8	
			0.10~0.19	25.0	162.5	2.0	
			0.20~0.34	28.0	225.0	1.6	
			0.35~1.00	31.0	250.0	1.2	
			1.10~2.00	28.0	225.0	1.6	
			2.10~3.00	26.3	187.5	2.0	
		II	0.005	15.0	75.0	4.8	0.75
			0.01	20.0	110.0	3.2	
			0.02~0.04	25.0	125.0	2.4	
			0.05~0.09	25.0	150.0	1.6	
			0.10~0.19	28.0	190.0	1.2	
			0.20~0.34	31.0	250.0	1.2	
			0.35~1.00	38.0	280.0	1.0	
		III	0.01	25.0	150.0	2.4	0.73
			0.02~0.04	31.0	190.0	1.6	
0.05~0.09	38.0		250.0	1.2			
0.10~0.19	38.0		250.0	1.2			
0.20~0.34	38.0		280.0	1.0			
		0.35	44.0	310.0	1.0		

牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径 Thickness/Diameter	$U_{0.08}$	U_m	H_c	B_s
			mm	mH/m(Min)	A/m(Max)	T(Min)	
1J79	冷轧板材 Cold rolled sheet	---	0.5~1.0	31.0	190.0	1.6	0.75
			1.1~2.0	28.0	160.0	1.6	0.75
	热轧（锻）扁材 Hot rolled bar	---	3~30	25.0	125.0	2.4	0.75
			热轧（锻）棒材 Hot rolled rod	---	8~120	25.0	125.0
1J79C	冷轧带材 Cold rolled strip	---	---	37.5	125	1.6	0.75
1J85	冷轧带材 Cold rolled strip	I	0.20-0.34	50	225	1.2	0.7
			0.35-1.00	62.5	312.5	0.8	
			1.10-2.50	50	187.5	1.2	
			2.51-3.00	43.8	150	1.4	
	热轧（锻）扁材 Hot rolled bar	---	3~22	37.5	125	1.6	
	热轧（锻）棒材 Hot rolled rod	---	8~100	37.5	125	1.6	
1J85C	冷轧带材 Cold rolled strip	---	---	50	125	1.6	0.68
1J95	冷轧带材 Cold rolled strip	---	---	50	125	1.6	0.55

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

KEDE

Datasheet of Soft Magnetic Materials at Room Temperature (软磁材料的磁性能 (室温))

耐蚀软磁合金Anti-corrosion Soft Magnetic Alloy										
牌号 Grade	磁感应强度Magnetic induction					剩余磁感应强度Remanence induction			Um	Hc
	B240	B400	B800	B2400	B3200	Br240	Br2400	Br3200	mH/m(Min)	A/m(Max)
	T(Min)					T(Max)				
1J117	0.9	—	1	—	1.25	—	—	—	—	80
Cr17NiTi	—	0.9	1	1.2	—	—	0.95	—	3.75	80
高导磁软磁合金High Permeability Soft Magnetic Alloy										
牌号 Grade	半成品种类 Intermediate species	级别Level	厚度或直径 Thickness/Diameter		U _{0.001}	Um	Hc	Br		
			mm		mH/m(Min)		A/m(Max)	T(Max)		
S1J81A	冷轧带材 Cold rolled strip	—	—		50	150	1	0.4		
	热轧(锻)棒材 Hot rolled rod	—	—		40	150	1	0.4		